

10501317

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* * * * * Welcome to STN International * * * * *

| | | | |
|------|----|--------|---------------------------------------------------------------------------------------------------------------------------------|
| NEWS | 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 2 | JUN 06 | EPFULL enhanced with 260,000 English abstracts |
| NEWS | 3 | JUN 06 | KOREAPAT updated with 41,000 documents |
| NEWS | 4 | JUN 13 | USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications |
| NEWS | 5 | JUN 19 | CAS REGISTRY includes selected substances from web-based collections |
| NEWS | 6 | JUN 25 | CA/CAPLUS and USPAT databases updated with IPC reclassification data |
| NEWS | 7 | JUN 30 | AEROSPACE enhanced with more than 1 million U.S. patent records |
| NEWS | 8 | JUN 30 | EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations |
| NEWS | 9 | JUN 30 | STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in |
| NEWS | 10 | JUN 30 | STN AnaVist enhanced with database content from EPFULL |
| NEWS | 11 | JUL 28 | CA/CAPLUS patent coverage enhanced |
| NEWS | 12 | JUL 28 | EPFULL enhanced with additional legal status information from the epoline Register |
| NEWS | 13 | JUL 28 | IFICDB, IFIPAT, and IFIUDB reloaded with enhancements |
| NEWS | 14 | JUL 28 | STN Viewer performance improved |
| NEWS | 15 | AUG 01 | INPADOCDB and INPAFAMDB coverage enhanced |
| NEWS | 16 | AUG 13 | CA/CAPLUS enhanced with printed Chemical Abstracts page images from 1967-1998 |
| NEWS | 17 | AUG 15 | CAOLD to be discontinued on December 31, 2008 |
| NEWS | 18 | AUG 15 | CAPLUS currency for Korean patents enhanced |
| NEWS | 19 | AUG 27 | CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information |
| NEWS | 20 | SEP 18 | Support for STN Express, Versions 6.01 and earlier, to be discontinued |
| NEWS | 21 | SEP 25 | CA/CAPLUS current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances |
| NEWS | 22 | SEP 26 | WPIDS, WPINDEX, and WPIX coverage of Chinese and Korean patents enhanced |
| NEWS | 23 | SEP 29 | IFICLS enhanced with new super search field |
| NEWS | 24 | SEP 29 | EMBASE and EMBAL enhanced with new search and display fields |

Updated Search

| | | |
|--------------|------------|----------------------------------------------------------------------------------------------------------------------|
| NEWS 25 | SEP 30 | CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents |
| NEWS 26 | OCT 07 | EPFULL enhanced with full implementation of EPC2000 |
| NEWS 27 | OCT 07 | Multiple databases enhanced for more flexible patent number searching |
| NEWS EXPRESS | JUNE 27 08 | CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008. |
| NEWS HOURS | | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | | Welcome Banner and News Items |
| NEWS IPC8 | | For general information regarding STN implementation of IPC 8 |

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FILE 'HOME' ENTERED AT 17:44:07 ON 10 OCT 2008

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| => file reg | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 17:44:16 ON 10 OCT 2008
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

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STRUCTURE FILE UPDATES:      9 OCT 2008   HIGHEST RN 1059172-07-4
DICTIONARY FILE UPDATES:    9 OCT 2008   HIGHEST RN 1059172-07-4
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New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

Updated Search

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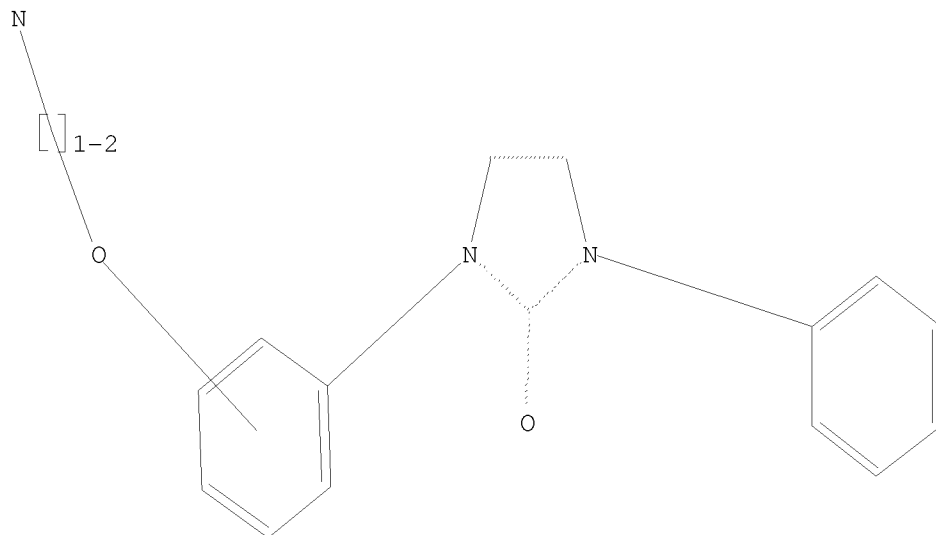
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L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 17:48:57 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 450 TO ITERATE

100.0% PROCESSED 450 ITERATIONS

14 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 7728 TO 10272

PROJECTED ANSWERS: 56 TO 504

L2 14 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 17:49:01 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 8985 TO ITERATE

100.0% PROCESSED 8985 ITERATIONS

247 ANSWERS

Updated Search

10501317

SEARCH TIME: 00.00.01

L3 247 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

181.58

181.79

FILE 'HCAPLUS' ENTERED AT 17:49:04 ON 10 OCT 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907 - 10 Oct 2008 VOL 149 ISS 16

FILE LAST UPDATED: 9 Oct 2008 (20081009/ED)

HCAPlus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 8 L3

=> s 14 and bromidge, s?/au

82 BROMIDGE, S?/AU

L5 2 L4 AND BROMIDGE, S?/AU

=> d 15, ibib abs hitstr, 1-2

L5 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1084921 HCAPLUS

DOCUMENT NUMBER: 143:432011

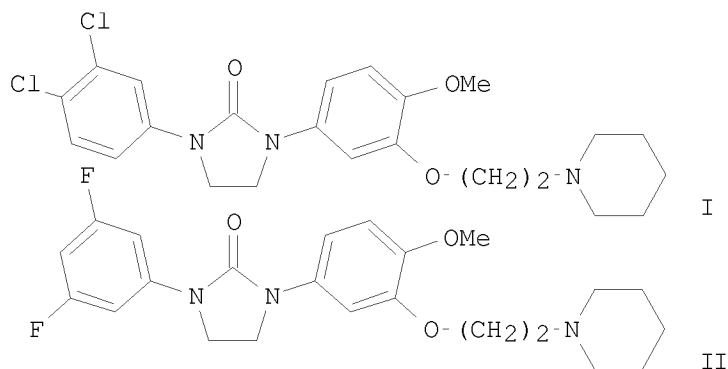
TITLE: A series of bisaryl imidazolidin-2-ones has shown to be selective and orally active 5-HT_{2C} receptor antagonists

AUTHOR(S): Goodacre, Caroline J.; Bromidge, Steven M.; Clapham, David; King, Frank D.; Lovell, Peter J.; Allen, Mike; Campbell, Lorraine P.; Holland, Vicky; Riley, Graham J.; Starr, Kathryn R.; Trail, Brenda K.; Wood, Martyn D.

Updated Search

10501317

CORPORATE SOURCE: Psychiatry Centre of Excellence in Drug Discovery,
GlaxoSmithkline Pharmaceuticals, Essex, CM19 5AW, UK
SOURCE: Bioorganic & Medicinal Chemistry Letters (2005),
15(22), 4989-4993
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 143:432011
GI



AB Bisaryl cyclic ureas have been identified as high affinity 5-HT_{2C} receptor antagonists with selectivity over 5-HT_{2A} and 5-HT_{2B}. Compds. such as (I) and (II) have shown oral activity in a centrally mediated pharmacodynamic model of 5-HT_{2C} function in rodents.

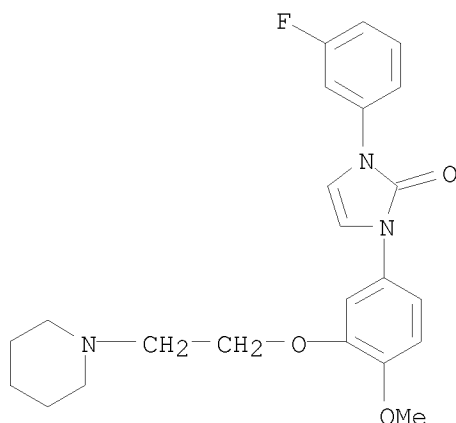
IT 561277-51-8P 561277-52-9P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(series of bisaryl imidazolidin-2-ones has shown to be selective and orally active 5-HT_{2C} receptor antagonists)

RN 561277-51-8 HCAPLUS

CN 2H-Imidazol-2-one, 1-(3-fluorophenyl)-1,3-dihydro-3-[4-methoxy-3-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)

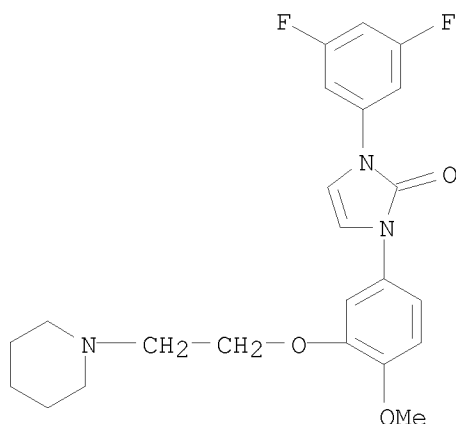
Updated Search

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RN 561277-52-9 HCAPLUS

CN 2H-Imidazol-2-one, 1-(3,5-difluorophenyl)-1,3-dihydro-3-[4-methoxy-3-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)



IT 561277-37-0P, 1-(3-Fluorophenyl)-3-[4-methoxy-3-(2-(piperidinyl)ethoxy)phenyl]imidazolidin-2-one 561277-38-1P
561277-39-2P 561277-40-5P 561277-41-6P
561277-42-7P, 1-[4-Methoxy-3-(2-(piperidinyl)ethoxy)phenyl]-3-phenylimidazolidin-2-one 561277-43-8P 561277-45-0P,
1-(3,4-Dichlorophenyl)-3-[4-methoxy-3-(2-(piperidinyl)ethoxy)phenyl]imidazolidin-2-one 561277-46-1P 561277-47-2P
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868568-37-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(series of bisaryl imidazolidin-2-ones has shown to be selective and orally active 5-HT_{2C} receptor antagonists)

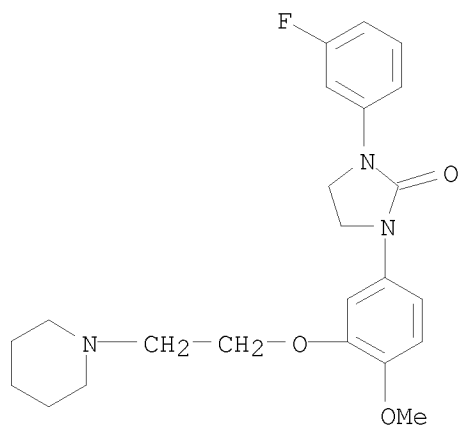
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Updated Search

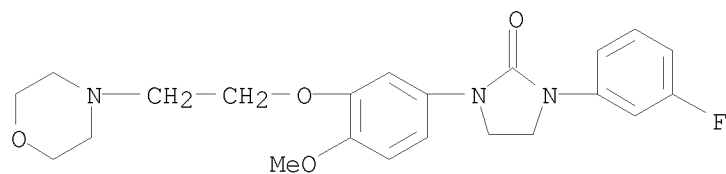
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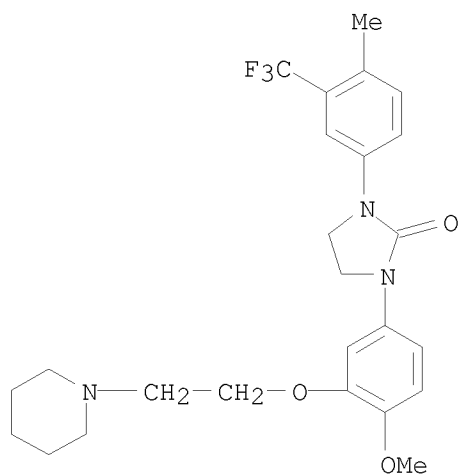
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CN 2-Imidazolidinone, 1-(3-fluorophenyl)-3-[4-methoxy-3-[2-(4-morpholinyl)ethoxy]phenyl]- (CA INDEX NAME)



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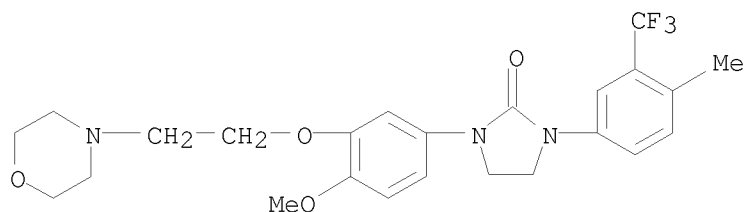


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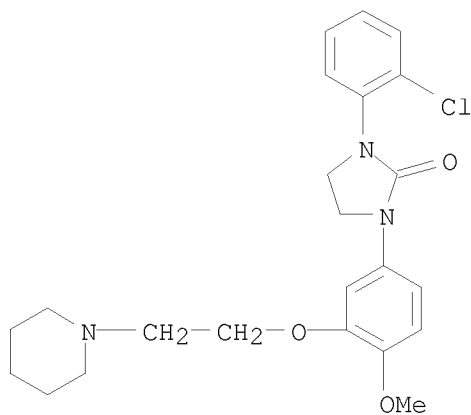
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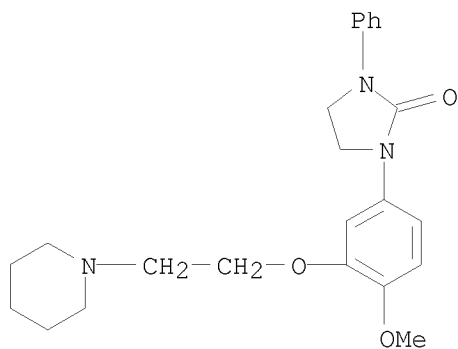
RN 561277-41-6 HCAPLUS

CN 2-Imidazolidinone, 1-(2-chlorophenyl)-3-[4-methoxy-3-[2-(1-piperidiny)ethoxy]phenyl]- (CA INDEX NAME)



RN 561277-42-7 HCAPLUS

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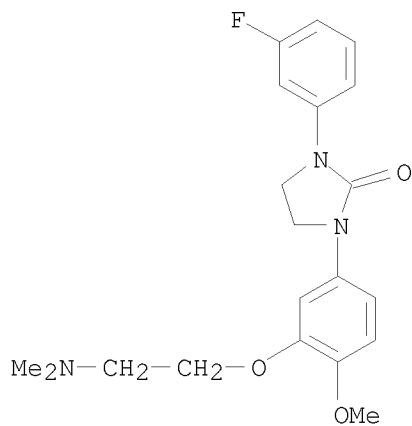


RN 561277-43-8 HCAPLUS

Updated Search

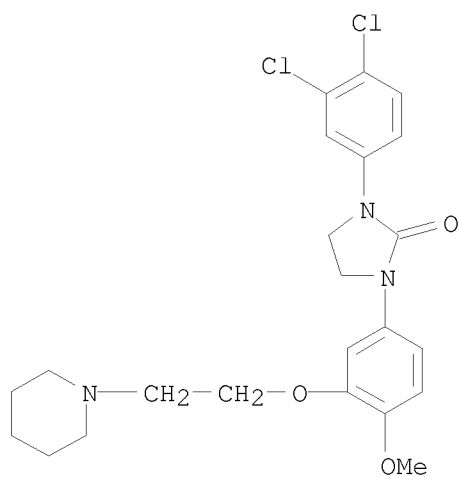
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CN 2-Imidazolidinone, 1-[3-[2-(dimethylamino)ethoxy]-4-methoxyphenyl]-3-(3-fluorophenyl)- (CA INDEX NAME)



RN 561277-45-0 HCAPLUS

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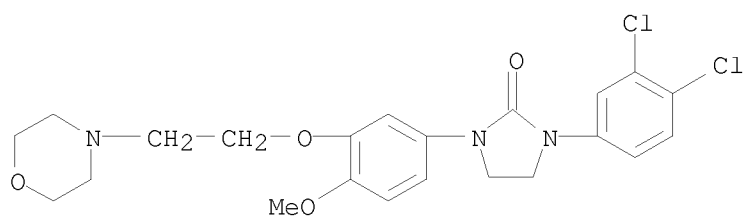


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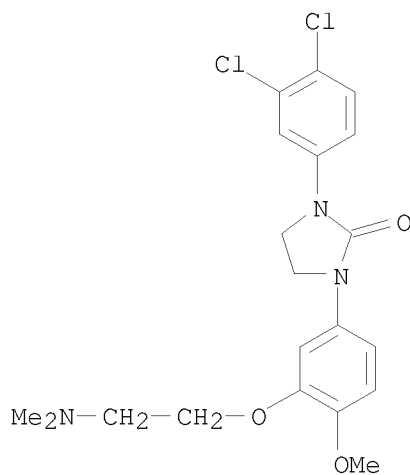
Updated Search

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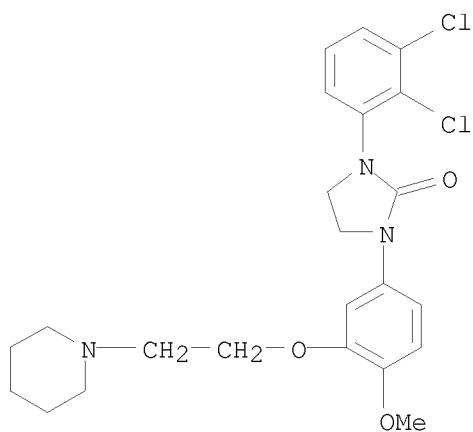
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RN 561277-50-7 HCAPLUS

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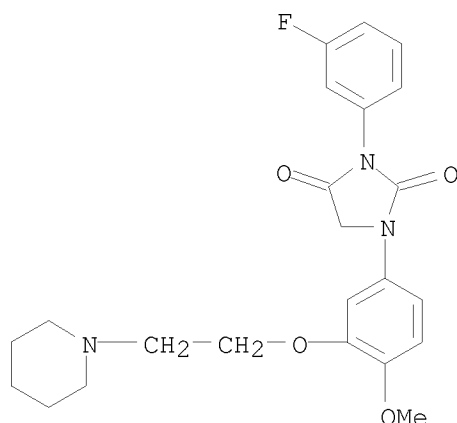


RN 561277-53-0 HCAPLUS

Updated Search

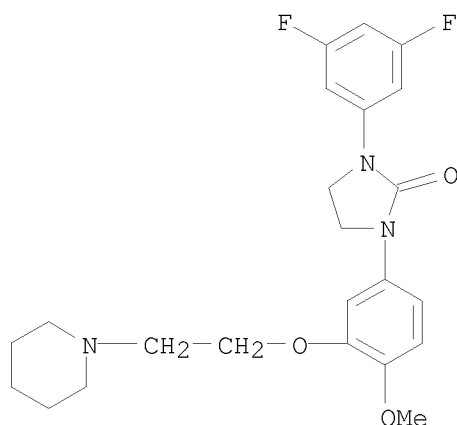
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RN 868568-37-0 HCAPLUS

CN 2-Imidazolidinone, 1-(3,5-difluorophenyl)-3-[4-methoxy-3-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:551382 HCAPLUS

DOCUMENT NUMBER: 139:117423

TITLE: Preparation of cyclic urea derivatives with 5-HT2c receptor activity

INVENTOR(S): Bromidge, Steven Mark; Lovell, Peter John; Goodacre, Caroline

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 36 pp.

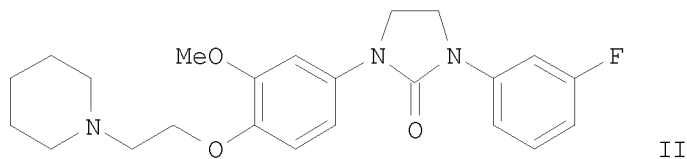
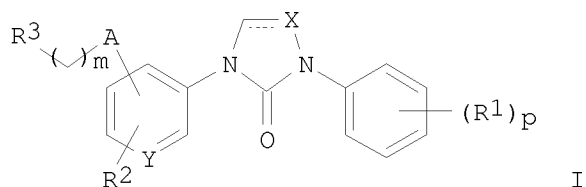
CODEN: PIXXD2

Updated Search

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DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
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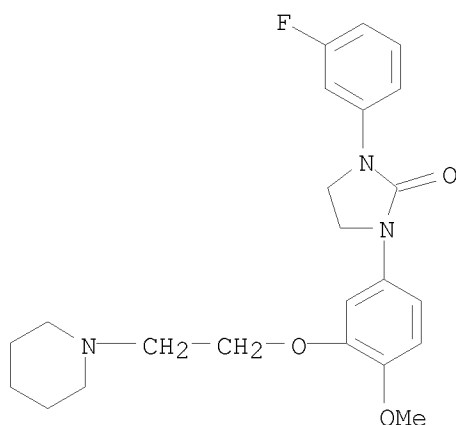
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2003201636 | A1 | 20030724 | AU 2003-201636 | 20030107 |
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| JP 2005524620 | T | 20050818 | JP 2003-557578 | 20030107 |
| US 20050154028 | A1 | 20050714 | US 2005-501317 | 20050222 |
| PRIORITY APPLN. INFO.: | | | GB 2002-283 | A 20020108 |
| | | | WO 2003-GB20 | W 20030107 |
| OTHER SOURCE(S): | | MARPAT 139:117423 | | |
| GI | | | | |



AB Title compds. I [p = 0-5; m = 1-3; Y = N, C; A = O, N, CONH, NHCO, etc.; R1 = halo, alkyl, alkoxy, alkylthio, etc.; R2 = H, halo, alkyl, alkoxy, haloalkyl, haloalkoxy; R3 = amino; X = CH₂, CO] are prepared For instance, 2-(3-fluorophenylamino)ethanol (preparation given) is reacted with MsCl/CH₂Cl₂ followed by 3-benzyloxy-4-methoxyphenylamine to give the corresponding substituted diamine. This intermediate is treated with phosgene to give

1-(3-benzyloxy-4-methoxyphenyl)-3-(3-fluorophenyl)imidazolidin-2-one.
 Substitution of this using 1-(2-chloroethyl)piperidine•HCl
 (MeOCH₂CH₂OMe, K₂CO₃, reflux, 5 h) afforded II. I exhibit 5-HT_{2c} receptor
 activity and are useful for the treatment of CNS disorders such as
 depression or anxiety.

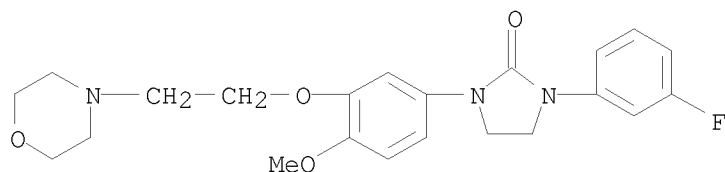
- IT 561277-37-0P, 1-(3-Fluorophenyl)-3-[4-methoxy-3-(2-(piperidinyl)ethoxy)phenyl]imidazolidin-2-one 561277-38-1P,
 1-(3-Fluorophenyl)-3-[4-methoxy-3-(2-(morpholinyl)ethoxy)phenyl]imidazolidin-2-one 561277-39-2P, 1-(4-Methyl-3-trifluoromethylphenyl)-3-[4-methoxy-3-(2-(piperidinyl)ethoxy)phenyl]imidazolidin-2-one
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 561277-53-0P, 3-(3-Fluorophenyl)-1-[4-methoxy-3-(2-(piperidinyl)ethoxy)phenyl]imidazol-2,4-dione
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of cyclic urea derivs. with 5-HT_{2C} receptor activity)
 RN 561277-37-0 HCAPLUS
 CN 2-Imidazolidinone, 1-(3-fluorophenyl)-3-[4-methoxy-3-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)



- RN 561277-38-1 HCAPLUS
 CN 2-Imidazolidinone, 1-(3-fluorophenyl)-3-[4-methoxy-3-[2-(4-

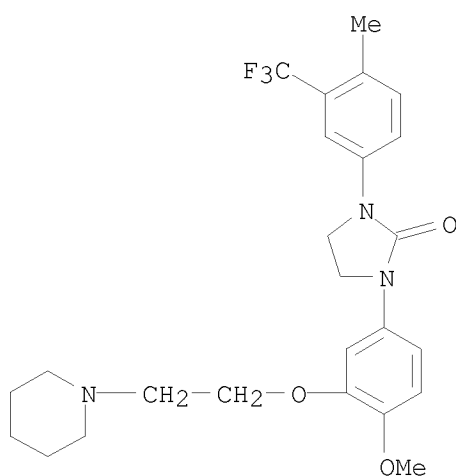
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morpholinyl)ethoxy]phenyl]- (CA INDEX NAME)



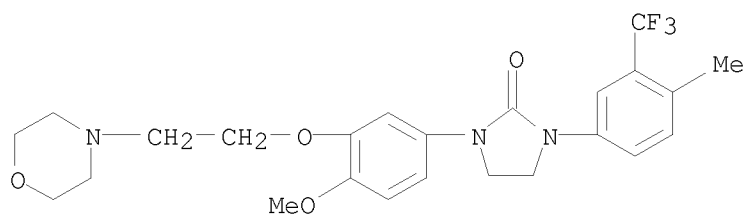
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CN 2-Imidazolidinone, 1-[4-methoxy-3-[2-(1-piperidinyl)ethoxy]phenyl]-3-[4-methyl-3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 561277-40-5 HCAPLUS

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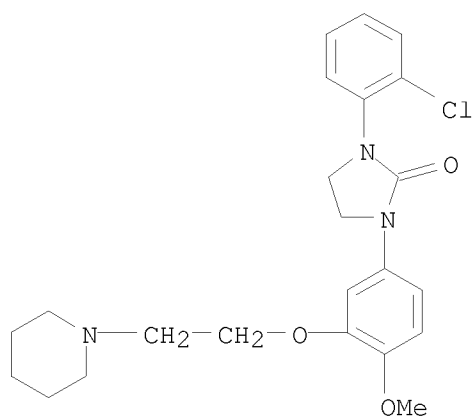


RN 561277-41-6 HCAPLUS

CN 2-Imidazolidinone, 1-(2-chlorophenyl)-3-[4-methoxy-3-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)

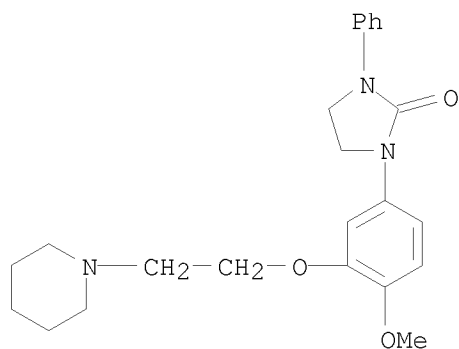
Updated Search

10501317



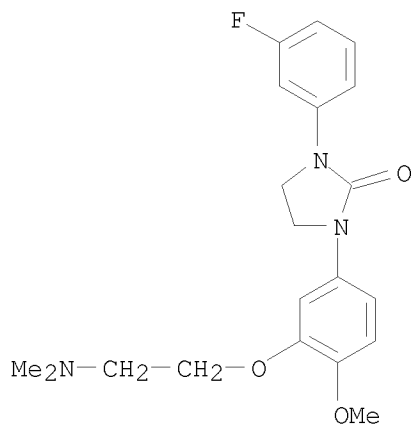
RN 561277-42-7 HCAPLUS

CN 2-Imidazolidinone, 1-[4-methoxy-3-[2-(1-piperidinyl)ethoxy]phenyl]-3-phenyl- (CA INDEX NAME)



RN 561277-43-8 HCAPLUS

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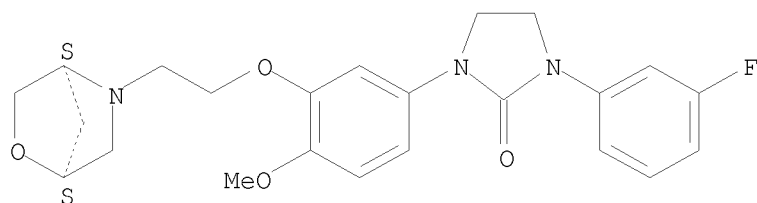
Updated Search

10501317

RN 561277-44-9 HCAPLUS

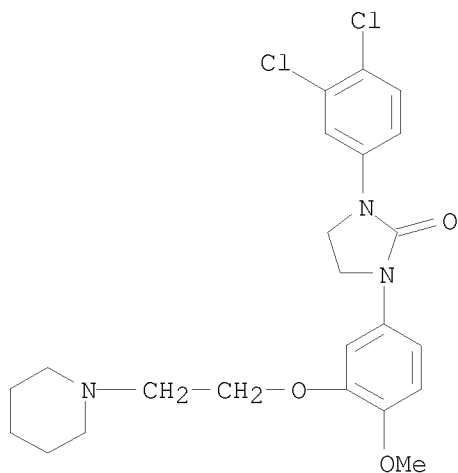
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Absolute stereochemistry.



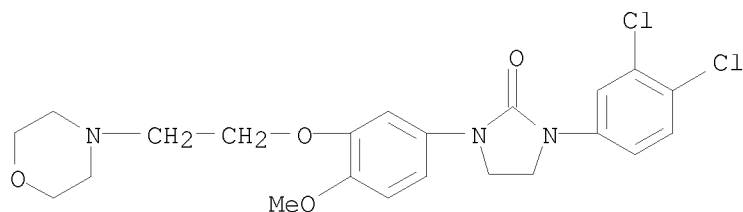
RN 561277-45-0 HCAPLUS

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RN 561277-46-1 HCAPLUS

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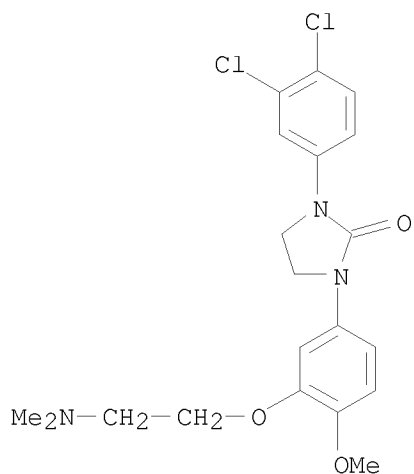


RN 561277-47-2 HCAPLUS

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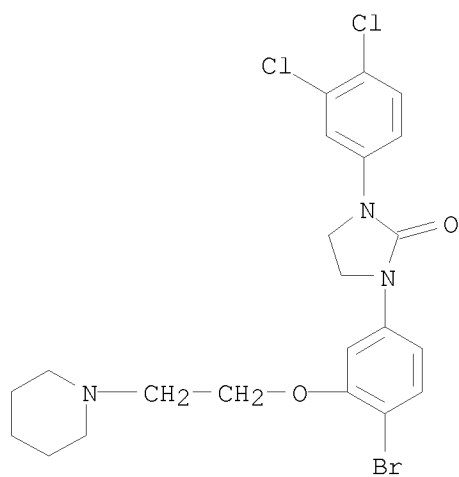
Updated Search

10501317



RN 561277-49-4 HCAPLUS

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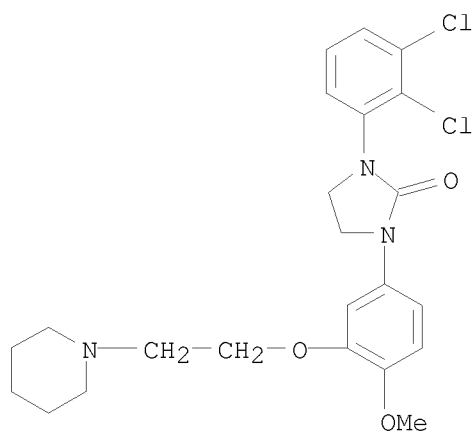


RN 561277-50-7 HCAPLUS

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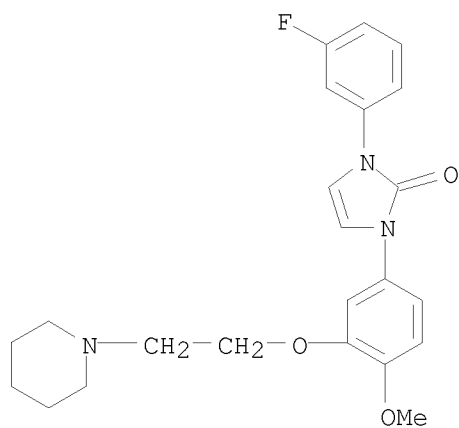
Updated Search

10501317



RN 561277-51-8 HCAPLUS

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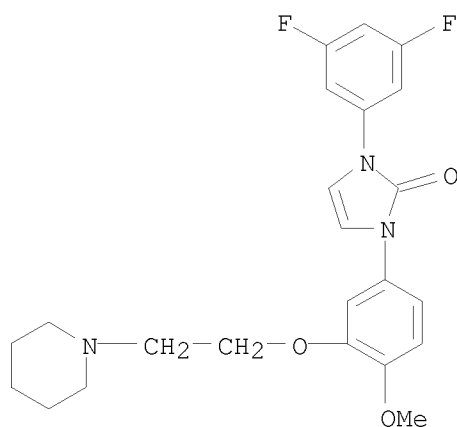


RN 561277-52-9 HCAPLUS

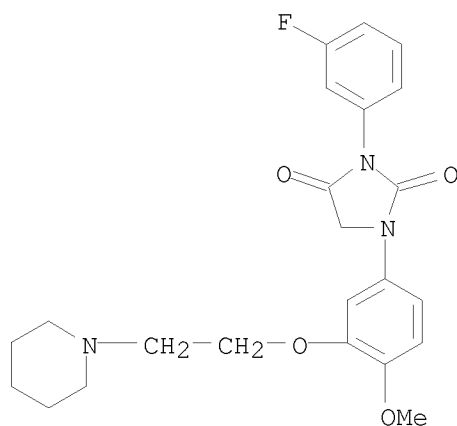
CN 2H-Imidazol-2-one, 1-(3,5-difluorophenyl)-1,3-dihydro-3-[4-methoxy-3-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)

Updated Search

10501317



RN 561277-53-0 HCAPLUS
CN 2,4-Imidazolidinedione, 3-(3-fluorophenyl)-1-[4-methoxy-3-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 17:44:07 ON 10 OCT 2008)

FILE 'REGISTRY' ENTERED AT 17:44:16 ON 10 OCT 2008

L1 STRUCTURE UPLOADED

L2 14 S L1

L3 247 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:49:04 ON 10 OCT 2008

L4 8 S L3

L5 2 S L4 AND BROMIDGE, S?/AU

Updated Search

10501317

=> s 14 not 15
L6 6 L4 NOT L5

=> s 16 and lovell, p?/au
188 LOVELL, P?/AU
L7 0 L6 AND LOVELL, P?/AU

=> s 16 and goodacre, c?/au
20 GOODACRE, C?/AU
L8 0 L6 AND GOODACRE, C?/AU

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L6 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:652190 HCAPLUS

DOCUMENT NUMBER: 147:277517

TITLE: Design and synthesis of novel hydantoin-containing
melanin-concentrating hormone receptor antagonists

AUTHOR(S): Balavoine, Fabrice; Malabre, Patrice; Alleaume,
Thierry; Rey, Astrid; Cherfils, Valerie; Jeanneton,
Olivier; Seigneurin-Venin, Sophie; Revah, Frederic
CORPORATE SOURCE: Villebon sur Yvette, 91951, Fr.

SOURCE: Bioorganic & Medicinal Chemistry Letters (2007),
17(13), 3754-3759

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 147:277517

AB We report here new chemical series acting as antagonists of
melanin-concentrating

hormone receptor 1 (MCHR-1). Synthesis and structure-activity
relationships are described leading to the identification of compds. with
optimized in vitro pharmacol. and in vitro ADME profiles. In vivo
activity has been demonstrated in animal models of food intake and
depression.

IT 923030-45-9P 923030-48-2P 946125-64-0P

946125-66-2P

RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation)

(preparation of hydantoin-containing heterocyclic compds. using amidation

and

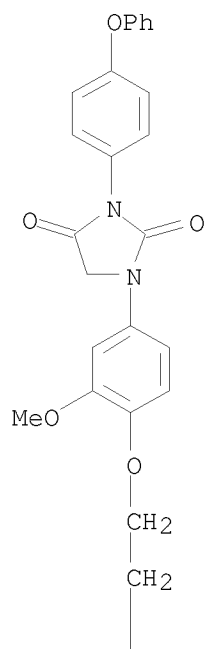
heterocyclization as key steps, and their antiobesity activity as
melanin-concentrating hormone receptor antagonist and SAR)

RN 923030-45-9 HCAPLUS

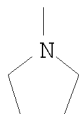
CN 2,4-Imidazolidinedione, 1-[3-methoxy-4-[2-(1-pyrrolidinyl)ethoxy]phenyl]-3-
(4-phenoxyphenyl)- (CA INDEX NAME)

10501317

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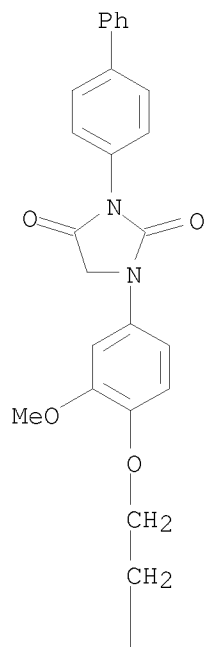


RN 923030-48-2 HCAPLUS
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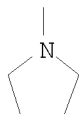
Updated Search

10501317

PAGE 1-A



PAGE 2-A

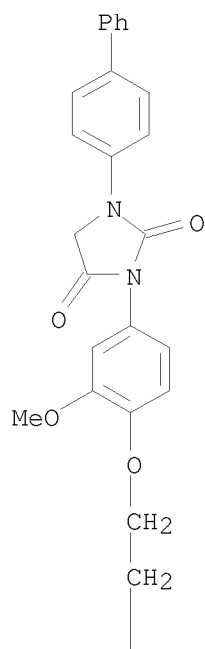


RN 946125-64-0 HCAPLUS
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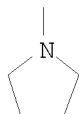
Updated Search

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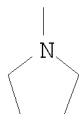
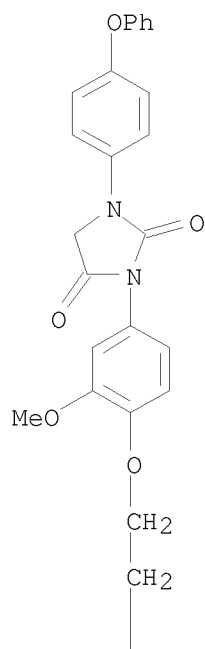


PAGE 2-A



RN 946125-66-2 HCAPLUS
CN 2,4-Imidazolidinedione, 3-[3-methoxy-4-[2-(1-pyrrolidinyl)ethoxy]phenyl]-1-(4-phenoxyphenyl)- (CA INDEX NAME)

Updated Search



REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:117937 HCAPLUS
 DOCUMENT NUMBER: 146:206302
 TITLE: Preparation of hydantoin derivatives and their use as MCHR-1 antagonists
 INVENTOR(S): Balavoine, Fabrice; Nicolaie, Eric; Sartori, Eric
 PATENT ASSIGNEE(S): Cerep, Fr.
 SOURCE: PCT Int. Appl., 92pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|----------|
| WO 2007012661 | A1 | 20070201 | WO 2006-EP64747 | 20060727 |

10501317

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

FR 2889189

A1

20070202

FR 2005-8064

20050728

PRIORITY APPLN. INFO.:

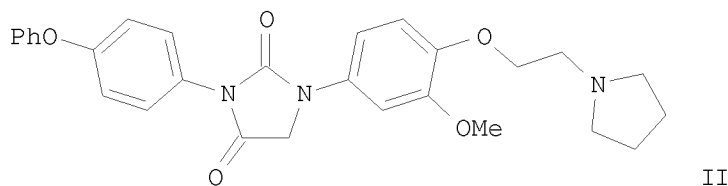
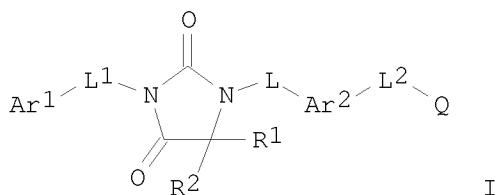
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A 20050728

OTHER SOURCE(S):

MARPAT 146:206302

GI



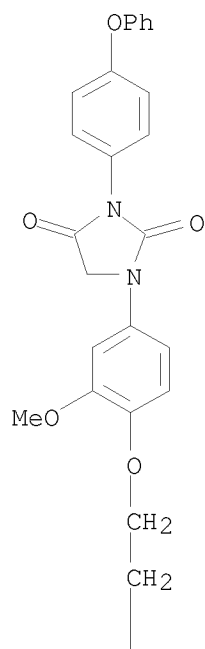
AB Title compds. I [Ar1 = (un)substituted aryl, heteroaryl, cycloalkyl, heterocyclyl; L1 = bond, alkylene, alkyleneoxy, alkoxyalkylene, alkylidene, alkylidenoxy; R1, R2 = H, alkyl; R1 or R2 can form with Ar2 or L and with the C and N atoms of the hydantoin ring to which they are attached a 5-7 membered heterocycle; when R1 or R2 binds to Ar2 or L, then R1 or R2 = alkylene; L = bond, alkylene, alkyleneoxy, alkylidene; Ar2 = (un)substituted aryl, heteroaryl, heterocyclyl; L2 = alkylene, alkyleneoxy, alkylidene, etc.; Q = NH2 and derivs.] were prepared as melanin-concentrating hormone receptor type 1 (MCHR-1) antagonists for treating and prevention of diseases associated with MCHR receptors such as obesity, anorexia, weight loss, depression and/or anxiety. Thus, O-alkylation of 2-methoxy-4-nitrophenol potassium salt with 1-(2-chloroethyl)pyrrolidine.HCl, reduction of the nitro intermediate, reaction of the amine with Et glyoxylate, and cyclization with 4-phenoxyphenyl isocyanate gave II. I displayed a good affinity for the MCHR-1 receptors (IC50 < 200 nM for II). The antagonistic activity of hydantoins I was demonstrated in a fluorescence assay following the intracellular calcium release induced by MCH (no data).

Updated Search

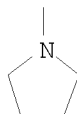
IT 923030-45-9P, 1-[3-Methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]-3-(4-phenoxyphenyl)imidazolidine-2,4-dione 923030-48-2P, 3-(Biphenyl-4-yl)-1-[3-methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]imidazolidine-2,4-dione 923030-49-3P, 1-[3-Methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]-3-(3-phenoxyphenyl)imidazolidine-2,4-dione 923030-50-6P, 3-(4-Butoxyphenyl)-1-[3-methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]imidazolidine-2,4-dione 923030-51-7P, 3-(4-Benzylphenyl)-1-[3-methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]imidazolidine-2,4-dione 923030-60-8P, 1-[3-Methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]-3-phenylimidazolidine-2,4-dione 923030-61-9P, 3-(4-Chlorophenyl)-1-[3-methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]imidazolidine-2,4-dione 923030-62-0P, 3-(4-Methoxyphenyl)-1-[3-methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]imidazolidine-2,4-dione 923030-63-1P, 3-(4-Bromophenyl)-1-[3-methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]imidazolidine-2,4-dione 923030-64-2P, 3-(4-Fluorophenyl)-1-[3-methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]imidazolidine-2,4-dione 923030-65-3P, 1-[3-Methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]-3-(4-methylphenyl)imidazolidine-2,4-dione 923030-66-4P, 1-[3-Methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione 923030-67-5P, 1-[3-Methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]-3-(4-trifluoromethylphenyl)imidazolidine-2,4-dione 923030-68-6P, 3-(4-Cyanophenyl)-1-[3-Methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]imidazolidine-2,4-dione 923030-69-7P, 1-[3-Methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]-3-[4-(4-chlorophenoxy)phenyl]imidazolidine-2,4-dione 923030-70-0P, 1-[3-Methoxy-4-[2-(pyrrolidin-1-yl)ethoxy]phenyl]-5-methyl-3-(4-phenoxyphenyl)imidazolidine-2,4-dione 923030-76-6P, 1-[4-[2-(Cyclopentylamino)ethoxy]-3-methoxyphenyl]-3-(4-phenoxyphenyl)imidazolidine-2,4-dione 923030-80-2P, 1-[4-(2-Dimethylaminoethoxy)-3-methoxyphenyl]-3-(4-phenoxyphenyl)imidazolidine-2,4-dione 923030-81-3P, 1-[4-(2-Diethylaminoethoxy)-3-methoxyphenyl]-3-(4-phenoxyphenyl)imidazolidine-2,4-dione 923030-82-4P, 1-[3-Methoxy-4-[2-(morpholin-4-yl)ethoxy]phenyl]-3-(4-phenoxyphenyl)imidazolidine-2,4-dione 923030-83-5P, 1-[4-[2-(4-Acetylpiperazin-1-yl)ethoxy]-3-methoxyphenyl]-3-(4-phenoxyphenyl)imidazolidine-2,4-dione 923030-84-6P, 1-[3-Methoxy-4-[2-(4-methylpiperazin-1-yl)ethoxy]phenyl]-3-(4-phenoxyphenyl)imidazolidine-2,4-dione
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of hydantoins as MCHR-1 antagonists)
 RN 923030-45-9 HCAPLUS
 CN 2,4-Imidazolidinedione, 1-[3-methoxy-4-[2-(1-pyrrolidinyl)ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)

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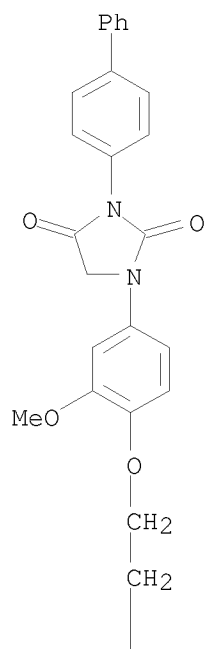


RN 923030-48-2 HCAPLUS
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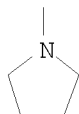
Updated Search

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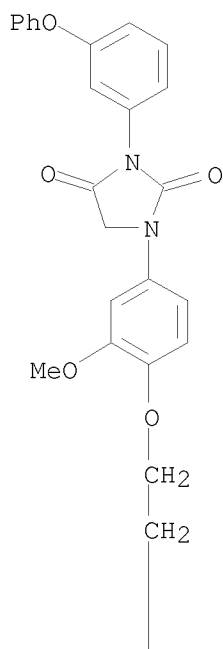


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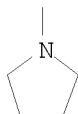
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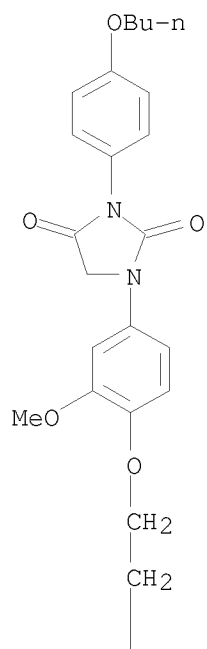


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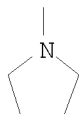
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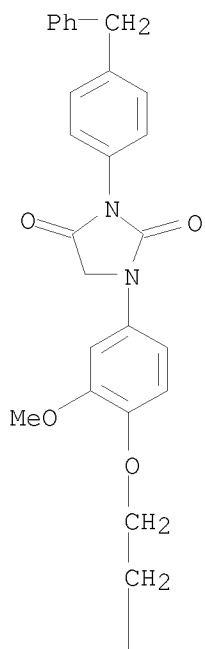


RN 923030-51-7 HCAPLUS
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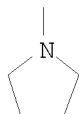
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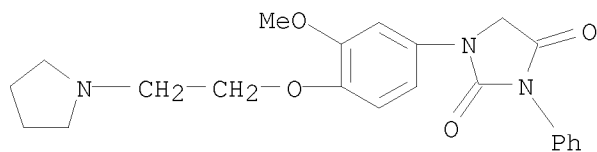
PAGE 1-A



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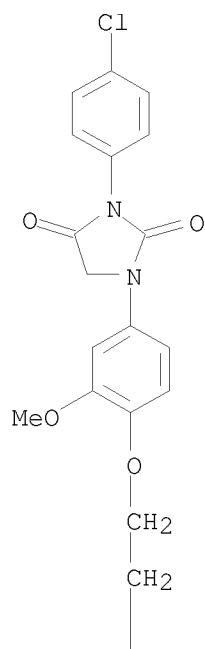


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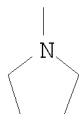
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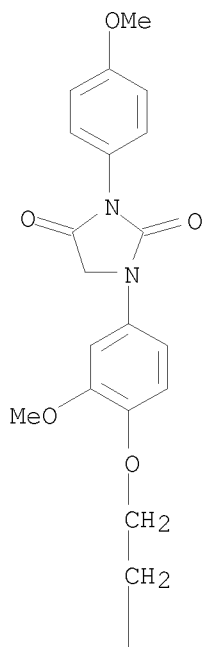


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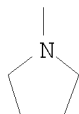
Updated Search

10501317

PAGE 1-A



PAGE 2-A

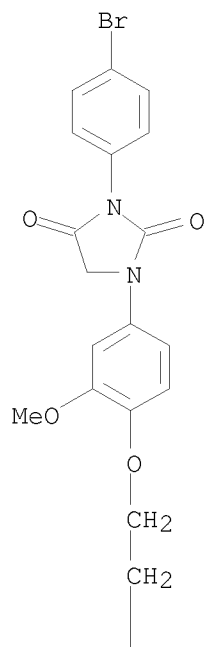


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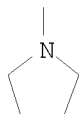
Updated Search

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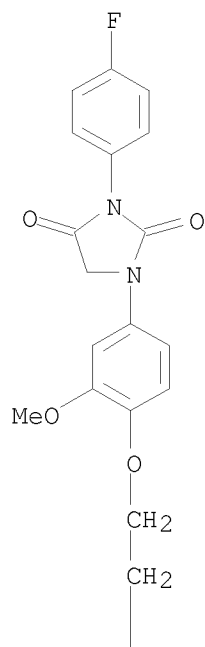


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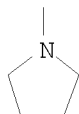
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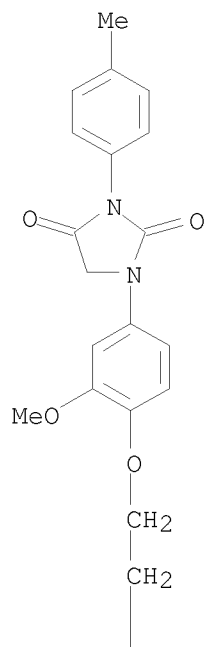


RN 923030-65-3 HCAPLUS
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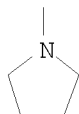
Updated Search

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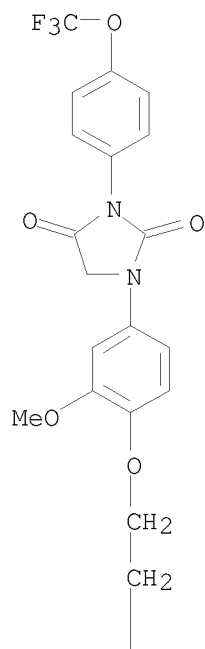


RN 923030-66-4 HCAPLUS
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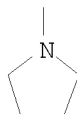
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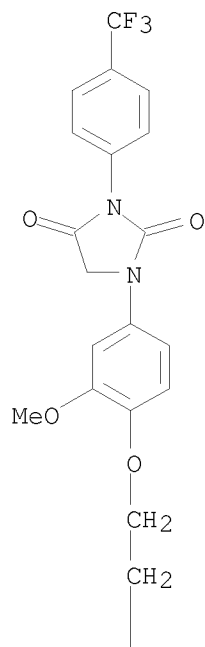


RN 923030-67-5 HCAPLUS
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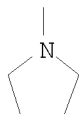
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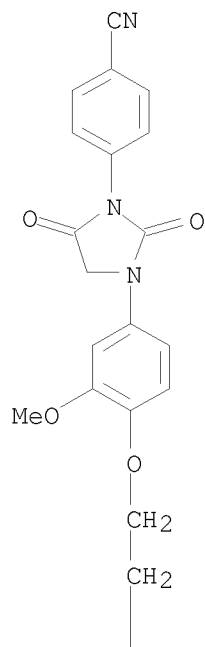


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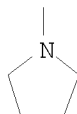
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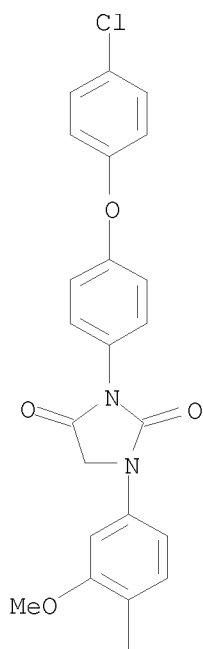


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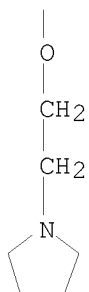
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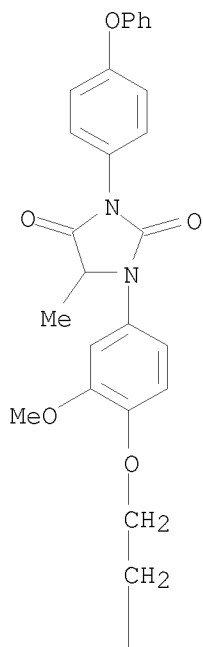


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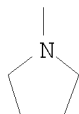
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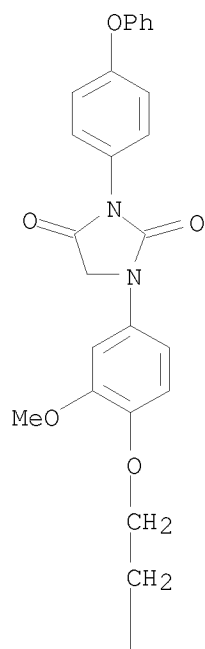


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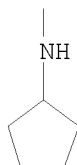
Updated Search

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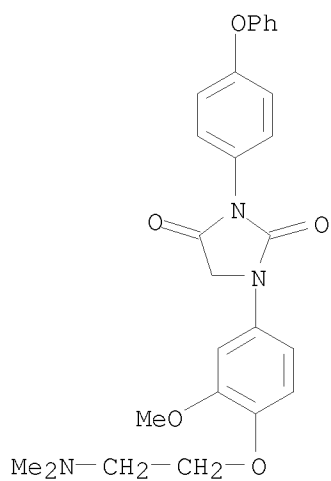
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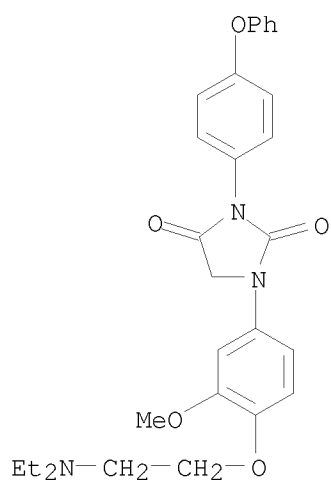
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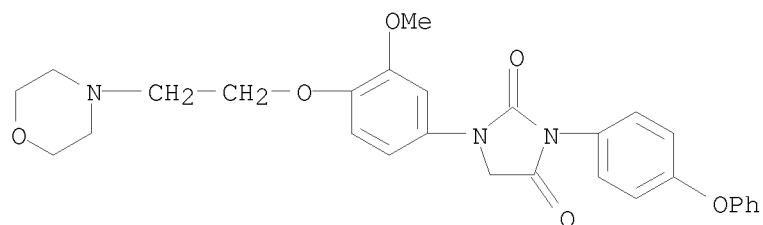
RN 923030-81-3 HCAPLUS

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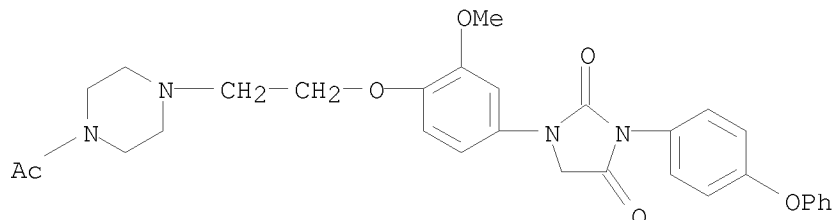
CN 2,4-Imidazolidinedione, 1-[3-methoxy-4-[2-(4-morpholinyl)ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)



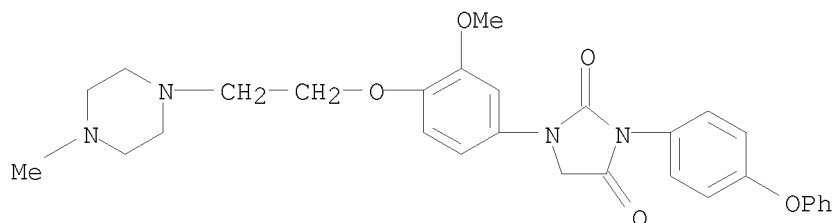
Updated Search

10501317

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CN 2,4-Imidazolidinedione, 1-[4-[2-(4-acetyl-1-piperazinyl)ethoxy]-3-methoxyphenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)



RN 923030-84-6 HCAPLUS
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REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:740674 HCAPLUS
DOCUMENT NUMBER: 145:167252
TITLE: Preparation of ureido substituted benzoic acids, particularly (imidazolidin-1-yl)benzoic acids, as promoters of nonsense mutation suppression in messenger RNA (mRNA) and/or as modulators of translation termination for treatment of related diseases
INVENTOR(S): Wilde, Richard G.; Takasugi, James J.; Hwang, Seongwoo; Welch, Ellen M.; Chen, Guangming
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 70 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------|------|----------|-----------------|----------|
| US 20060167065 | A1 | 20060727 | US 2005-48656 | 20050121 |
| US 7405233 | B2 | 20080729 | | |

Updated Search

10501317

WO 2004009558 A2 20040129 WO 2003-US23182 20030723
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
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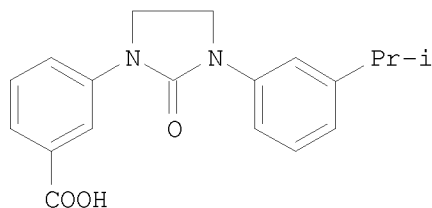
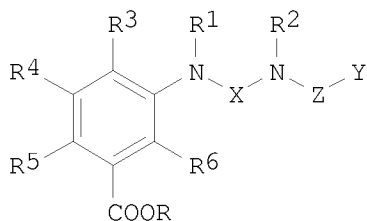
PRIORITY APPLN. INFO.:

US 2002-398333P P 20020724

WO 2003-US23182 A1 20030723

OTHER SOURCE(S): MARPAT 145:167252

GI



AB Title compds. I [X = CO, C(:S), S, SO, SO₂; Y = (un)substituted cyclo/alkyl, hetero/aryl, heterocyclyl; R = H, (un)substituted cyclo/alkyl, hetero/aryl, etc.; Z = (CH₂)_n; n = 0-4; R₁, R₂ = independently H, (un)substituted alk(en/yn)yl, alkylcarbonyl, etc.; or R₁NCNR₂, R₁NSNR₂ = (un)substituted 5-7 membered heterocyclyl, 5-7 membered heteroaryl; or R₁-R₂ = COCH₂, CH₂CO, CH₂CH₂, CH:CH, etc.; R₃-R₆ = independently H, OH, CN, halo, (un)substituted alk(en/yn)yl, aryl, alkoxy, etc.; and their pharmaceutically acceptable salts, hydrates, solvates, clathrates, and stereoisomers] were prepared as promoters of nonsense mutation suppression in mRNA (mRNA) and/or as modulators of translation termination. Thus, II was prepared, in 5 steps, by amination of bromoacetyl bromide with Me 3-aminobenzoate, acylation of 4-isopropylaniline with the acyl bromide, reduction of the amide, cyclization in 1,2-dichloroethane in the presence of CDI, and saponification. Selected I showed both very high potency and efficacy of protein synthesis in a cell-based luciferase assay (no data).

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Thus, I are useful for treating or preventing a disease ameliorated by modulation of premature translation termination or nonsense-mediated mRNA decay, or ameliorating one or more symptoms associated therewith.

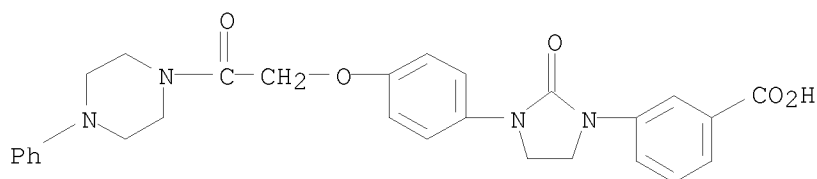
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of ureido substituted benzoic acids as promoters of nonsense mutation suppression in mRNA and/or as modulators of translation termination)

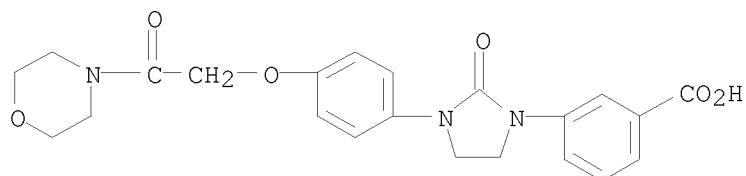
RN 651749-02-9 HCAPLUS

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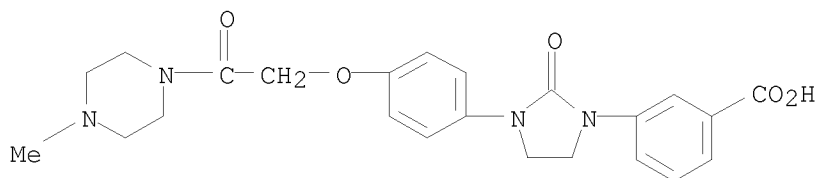
RN 651749-18-7 HCAPLUS

CN Benzoic acid, 3-[3-[4-[2-(4-morpholinyl)-2-oxoethoxy]phenyl]-2-oxo-1-imidazolidinyl]- (CA INDEX NAME)



RN 651749-19-8 HCAPLUS

CN Benzoic acid, 3-[3-[4-[2-(4-methyl-1-piperazinyl)-2-oxoethoxy]phenyl]-2-oxo-1-imidazolidinyl]- (CA INDEX NAME)



REFERENCE COUNT:

23

THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L6 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1016895 HCAPLUS

DOCUMENT NUMBER: 143:415586

TITLE: G-Protein-Coupled Receptor Affinity Prediction Based on the Use of a Profiling Dataset: QSAR Design, Synthesis, and Experimental Validation

AUTHOR(S): Rolland, Catherine; Gozalbes, Rafael; Nicolaie, Eric; Paugam, Marie-France; Coussy, Laurent; Barbosa, Frederique; Horvath, Dragos; Revah, Frederic

CORPORATE SOURCE: Cerep, Rueil-Malmaison, 92500, Fr.

SOURCE: Journal of Medicinal Chemistry (2005), 48(21), 6563-6574

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A QSAR model accounting for "average" G-protein-coupled receptor (GPCR) binding was built from a large set of exptl. standardized binding data (1939 compds. systematically tested over 40 different GPCRs) and applied to the design of a library of "GPCR-predicted" compds. Three hundred and sixty of these compds. were randomly selected and tested in 21 GPCR binding assays. Positives were defined by their ability to inhibit by more than 70% the binding of reference compds. at 10 μ M. A 5.5-fold enrichment in positives was observed when comparing the "GPCR-predicted" compds. with 600 randomly selected compds. predicted as "non-GPCR" from a general collection. The model was efficient in predicting strongest binders, since enrichment was greater for higher cutoffs. Significant enrichment was also observed for peptidic GPCRs and receptors not included to develop the QSAR model, suggesting the usefulness of the model to design ligands binding with newly identified GPCRs, including orphan ones.

IT 654010-68-1

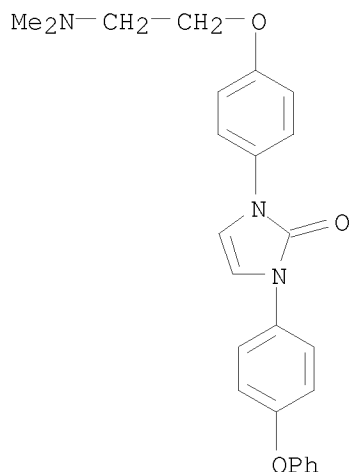
RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(QSAR design, synthesis, and exptl. validation of G-protein-coupled receptor affinity prediction based on use of a profiling dataset)

RN 654010-68-1 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)

10501317



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:101141 HCAPLUS

DOCUMENT NUMBER: 140:163866

TITLE: Preparation of 1,3-dihydro-1,3-diphenyl-2H-imidazol-2-ones and related compounds as MCH receptor modulators for the treatment of obesity

INVENTOR(S): Schwink, Lothar; Stengelin, Siegfried; Gossel, Matthias; Boehme, Thomas; Hessler, Gerhard; Rosse, Gerard; Walser, Armin

PATENT ASSIGNEE(S): Aventis Pharma Deutschland G.m.b.H., Germany

SOURCE: PCT Int. Appl., 113 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

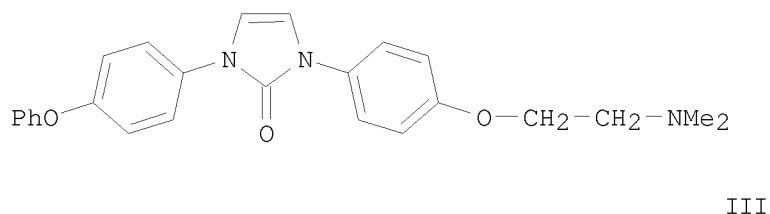
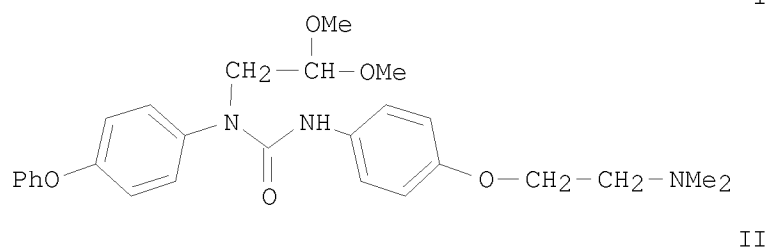
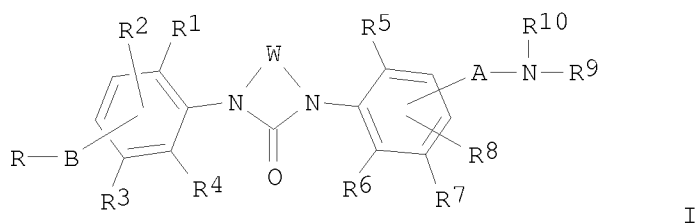
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| DE 10233817 | A1 | 20040212 | DE 2002-10233817 | 20020725 |
| WO 2004012648 | A2 | 20040212 | WO 2003-EP7639 | 20030715 |
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Updated Search

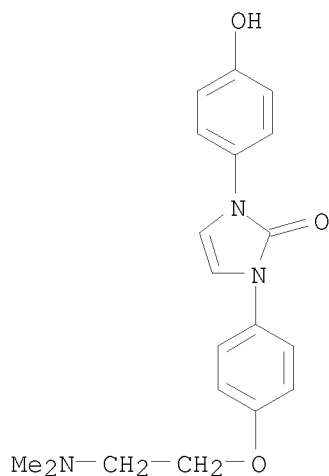
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US 20040132752 A1 20040708 US 2003-626314 20030724
US 7141561 B2 20061128
MX 2005PA01048 A 20050408 MX 2005-PA1048 20050125
PRIORITY APPLN. INFO.: DE 2002-10233817 A 20020725
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WO 2003-EP7639 W 20030715
WO 2003-EP7891 W 20030718
OTHER SOURCE(S): MARPAT 140:163866
GI



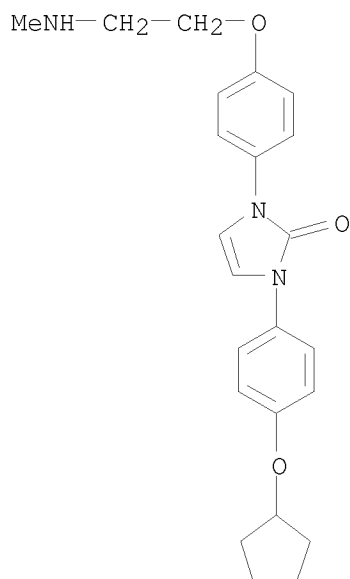
10501317

- AB Title compds. I [R = alkyl, alkylaryl, cycloalkyl, etc.; A = (C(R42)(R43))_m; m = 0-5; R42, R43 = H, alkyl, aryl; B = a bond or a link, i.e., S, SO, SO₂, etc.; W = (CH₂)_n, CH=CH, CH=N, etc.; n = 2-5; R9, R10 = H, alkyl, alkoxyalkyl, etc.; R1, R2, R3, R4 = H, halo, OH, etc.; R5, R6, R7, R8 = H, halo, OH, etc.] and their pharmaceutically acceptable salts and formulations were prepared For example, TFA catalyzed cyclization of di-Me acetal II, e.g., prepared from 4-phenoxyaniline in 2-steps, afforded diarylcyclic urea III. In milk consumption studies with female NMRI mice, cyclic urea III exhibited very good anorectic effects, i.e., 58% decrease in milk consumption vs control. Compds. I are claimed useful as antiobesity and antidiabetic agents.
- IT 654022-95-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of diarylcyclic ureas as MCH receptor modulators for the treatment of obesity)
- RN 654022-95-4 HCAPLUS
- CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-(4-hydroxyphenyl)- (CA INDEX NAME)



- IT 654019-23-5P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(target compound; preparation of diarylcyclic ureas as MCH receptor modulators for the treatment of obesity)
- RN 654019-23-5 HCAPLUS
- CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(methylamino)ethoxy]phenyl]- (CA INDEX NAME)

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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
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(Uses)

(target compound; preparation of diarylcyclic ureas as MCH receptor
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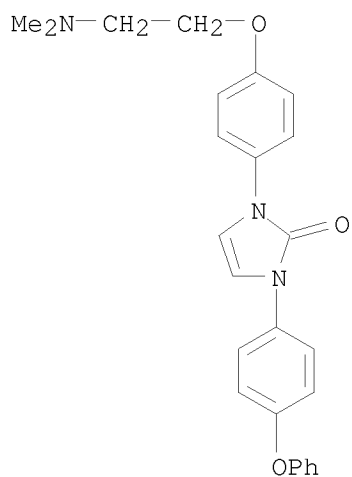
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RN 654010-68-1 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-(4-
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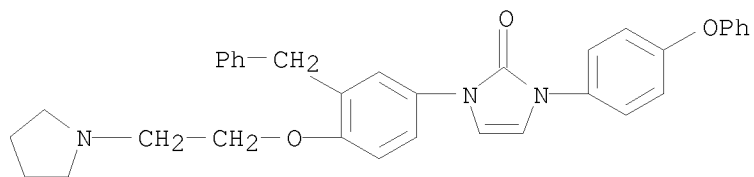
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(CA INDEX NAME)

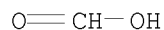
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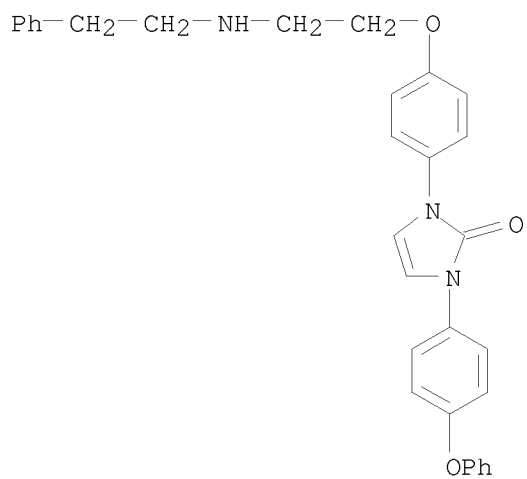
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CMF C H2 O2



RN 654010-92-1 HCAPLUS
CN 2H-Imidazol-2-one, 1,3-dihydro-1-(4-phenoxyphenyl)-3-[4-[2-[(2-phenylethyl)amino]ethoxy]phenyl]- (CA INDEX NAME)

Updated Search

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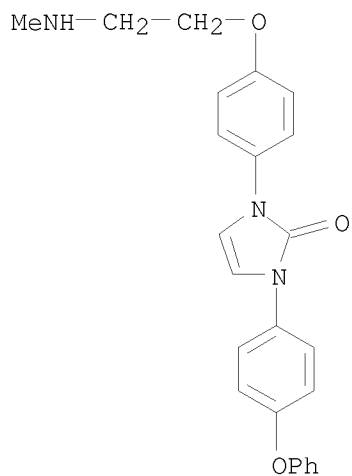
RN 654010-99-8 HCAPLUS

CN Formic acid, compd. with 1,3-dihydro-1-[4-[2-(methylamino)ethoxy]phenyl]-3-(4-phenoxyphenyl)-2H-imidazol-2-one (1:1) (CA INDEX NAME)

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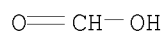
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CM 2

CRN 64-18-6

CMF C H2 O2



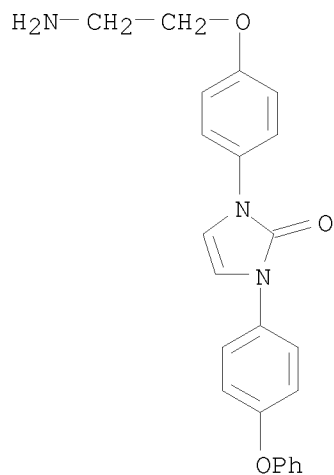
Updated Search

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RN 654011-07-1 HCAPLUS
CN Formic acid, compd. with 1-[4-(2-aminoethoxy)phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)-2H-imidazol-2-one (1:1) (CA INDEX NAME)

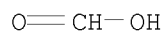
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CMF C23 H21 N3 O3



CM 2

CRN 64-18-6
CMF C H2 O2



RN 654011-22-0 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-3-[4-[(1R,2S)-2-(dimethylamino)-1-phenylpropoxy]phenyl]-1,3-dihydro-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

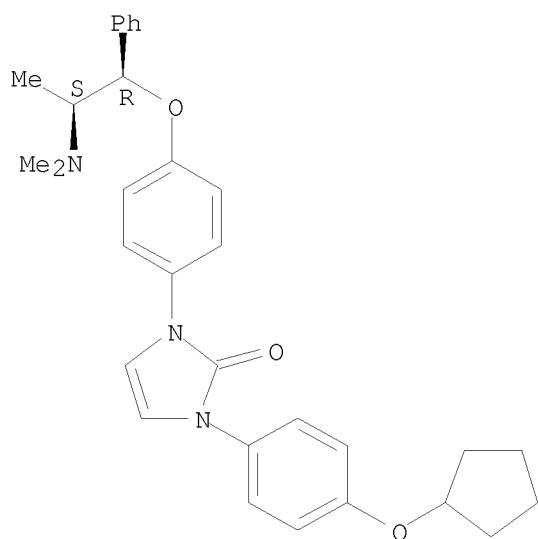
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CMF C31 H35 N3 O3

Absolute stereochemistry.

Updated Search

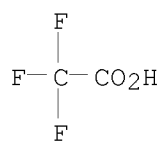
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CM 2

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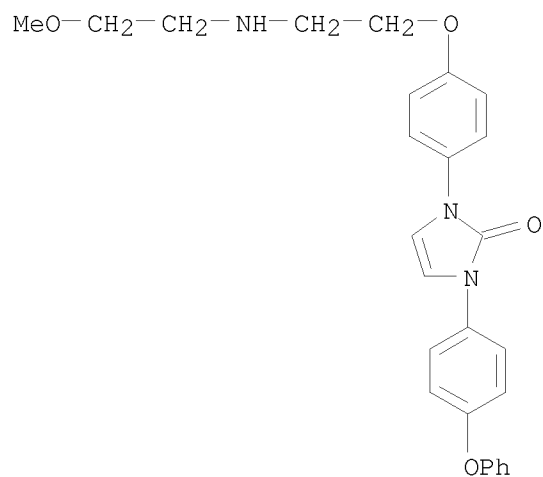


RN 654011-41-3 HCAPLUS

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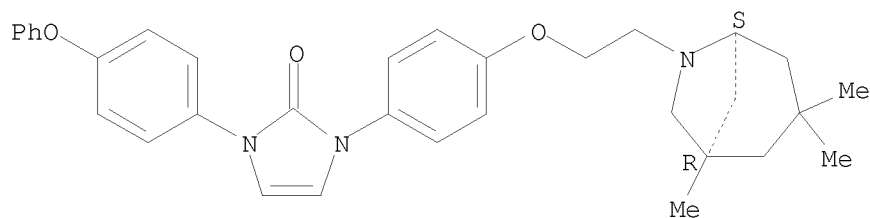
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RN 654011-47-9 HCAPLUS

CN 2H-Imidazol-2-one, 1,3-dihydro-1-(4-phenoxyphenyl)-3-[4-[2-[(1R,5S)-1,3,3-trimethyl-6-azabicyclo[3.2.1]oct-6-yl]ethoxy]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



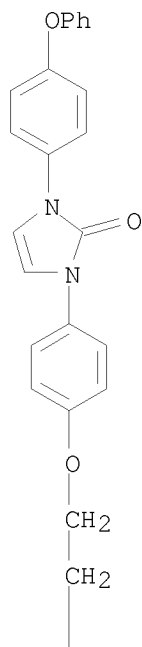
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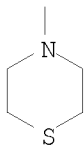
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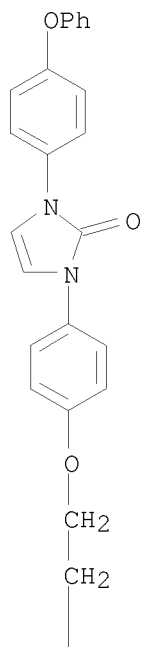


RN 654011-60-6 HCAPLUS
CN 3-Piperidinecarboxamide, 1-[2-[4-[2,3-dihydro-2-oxo-3-(4-phenoxyphenyl)-1H-imidazol-1-yl]phenoxy]ethyl]-N,N-diethyl- (CA INDEX NAME)

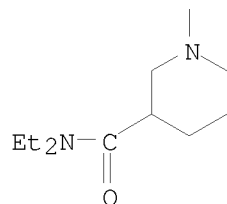
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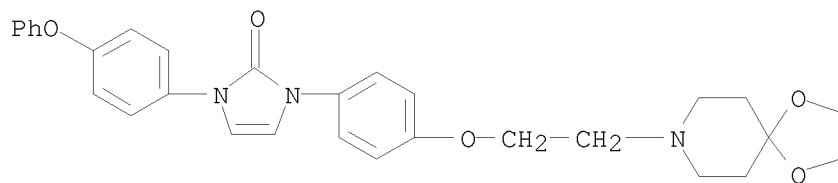
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RN 654011-65-1 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(1,4-dioxo-8-azaspiro[4.5]dec-8-yl)ethoxy]phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)

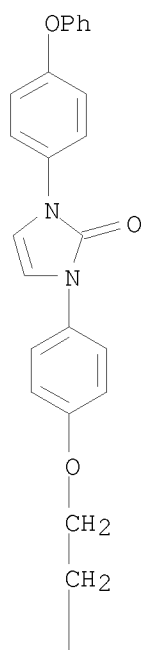


RN 654011-71-9 HCAPLUS
CN 2H-Imidazol-2-one, 1,3-dihydro-1-[4-[2-[methyl[2-(2-pyridinyl)ethyl]amino]ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)

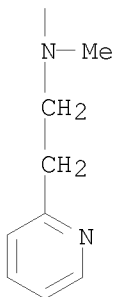
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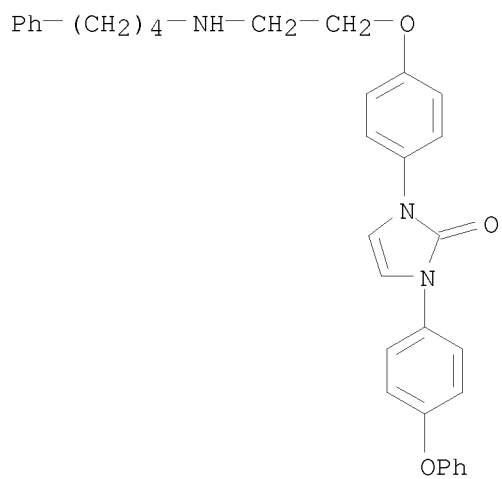


RN 654011-76-4 HCAPLUS

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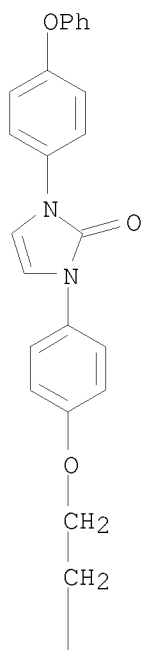
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RN 654011-82-2 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(cyclopentyl-2-propen-1-ylamino)ethoxy]phenyl]-
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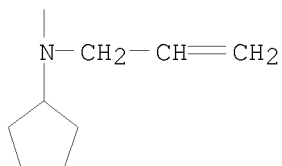
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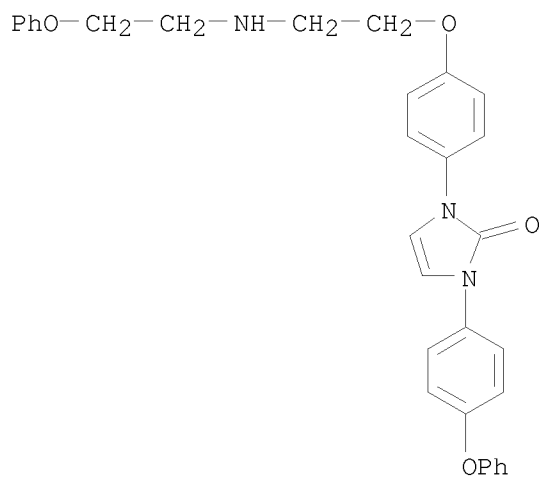
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RN 654011-88-8 HCAPLUS

CN 2H-Imidazol-2-one, 1,3-dihydro-1-[4-[2-[(2-phenoxyethyl)amino]ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)



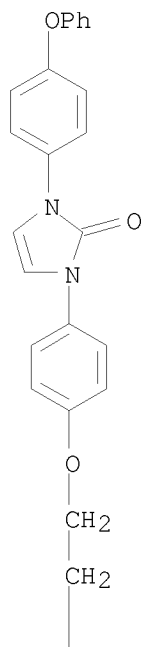
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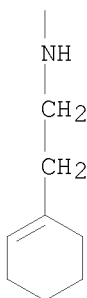
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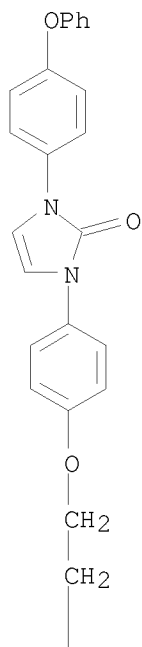


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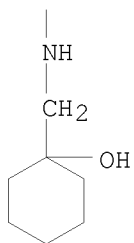
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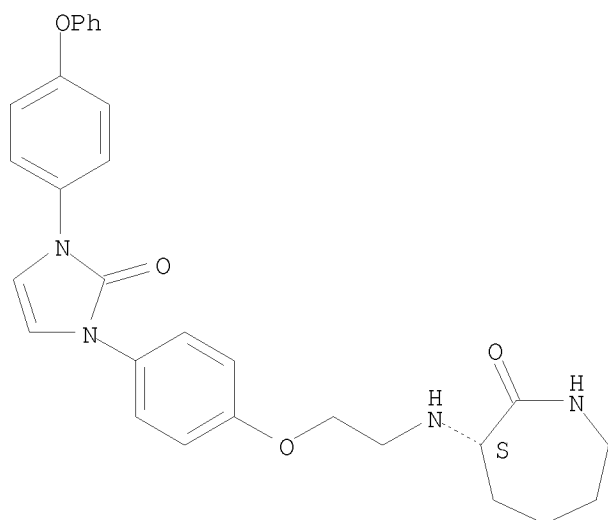


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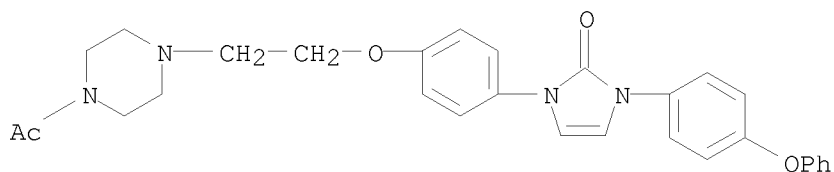
Absolute stereochemistry.

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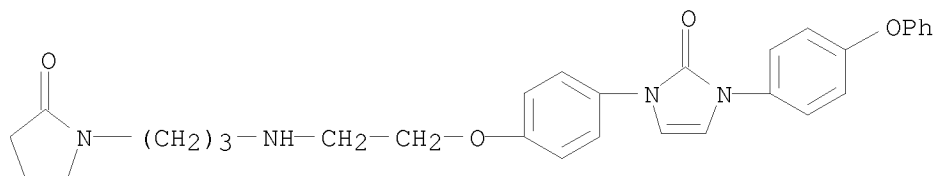
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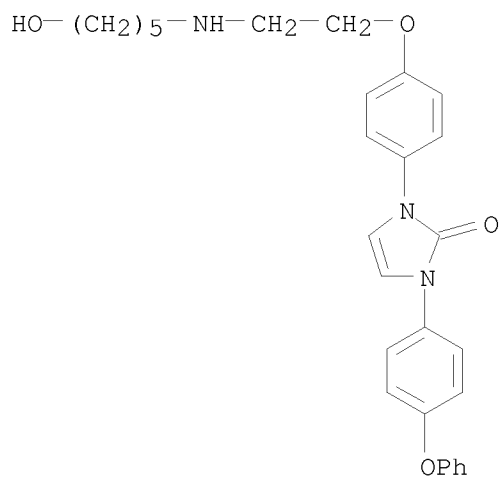
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CN 2H-Imidazol-2-one, 1,3-dihydro-1-[4-[2-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)



RN 654012-21-2 HCAPLUS
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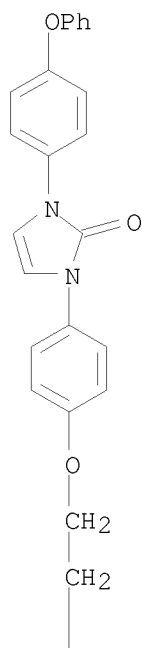
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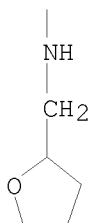
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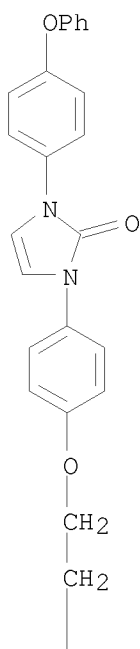
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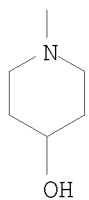


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CN 2H-Imidazol-2-one, 1,3-dihydro-1-[4-[2-(4-hydroxy-1-piperidinyl)ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)

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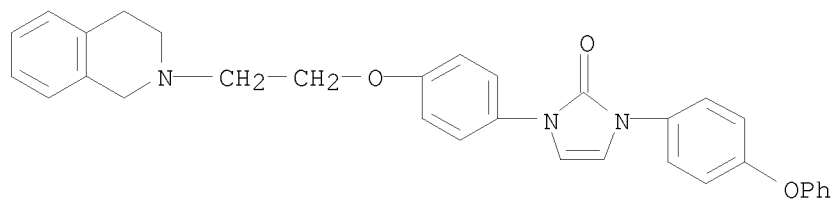


RN 654012-37-0 HCAPLUS

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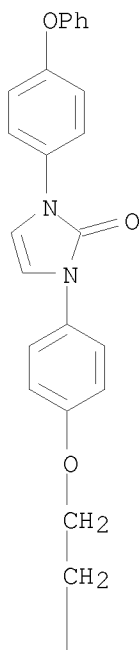
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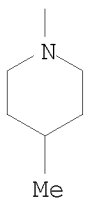


RN 654012-43-8 HCAPLUS
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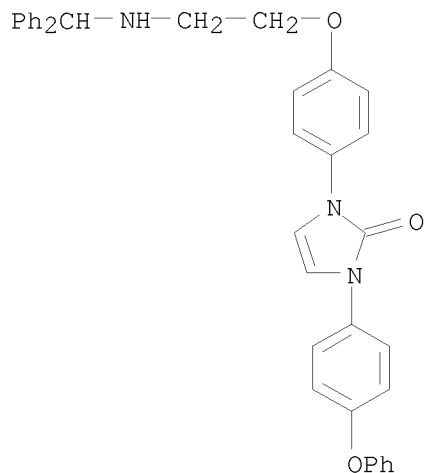
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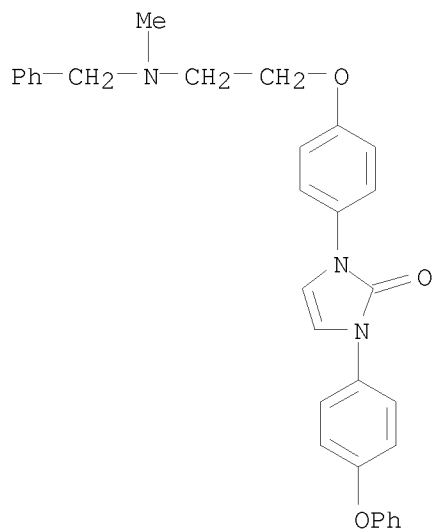
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RN 654012-58-5 HCAPLUS

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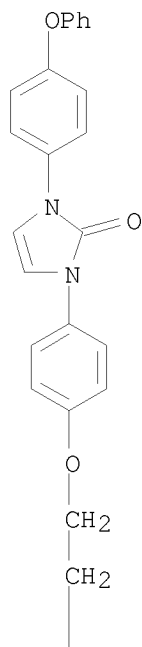
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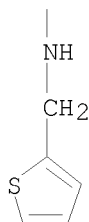
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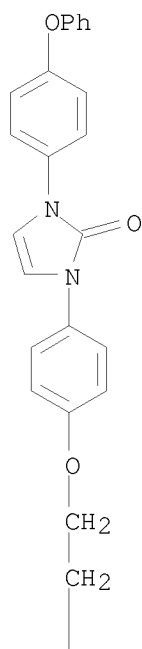
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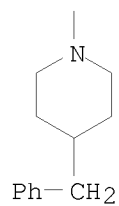
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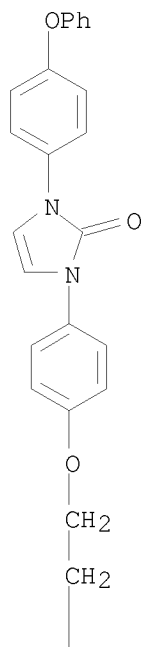


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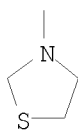
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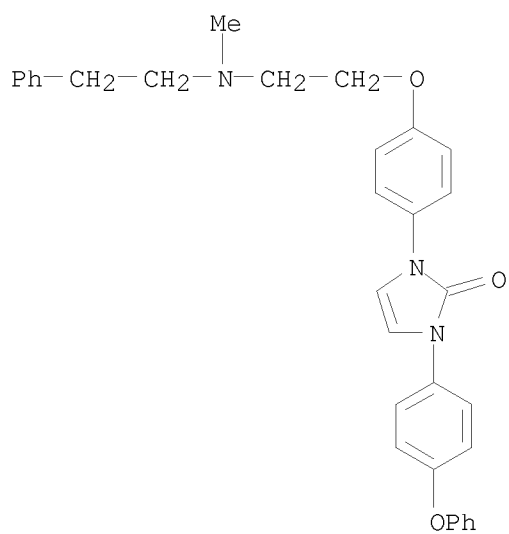


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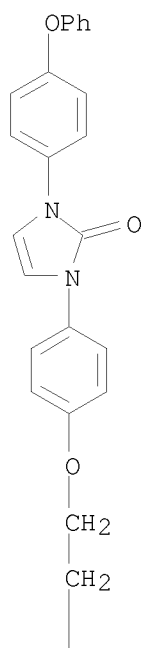
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CN 2H-Imidazol-2-one, 1,3-dihydro-1-[4-[2-[methyl(2-phenylethyl)amino]ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)

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RN 654012-86-9 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(cyclopropylamino)ethoxy]phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)

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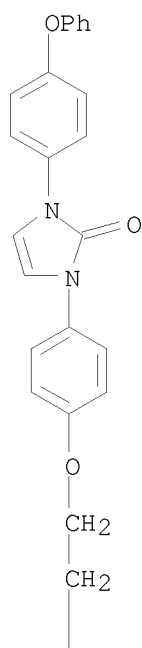
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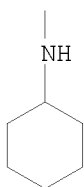


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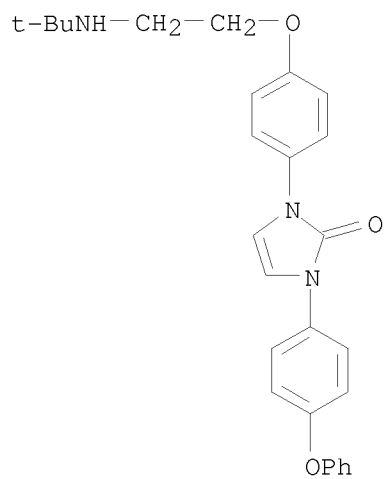
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RN 654012-97-2 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-[(1,1-dimethylethyl)amino]ethoxy]phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)

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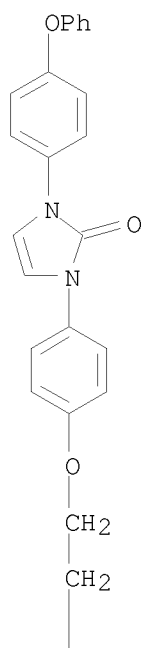
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RN 654013-02-2 HCAPLUS

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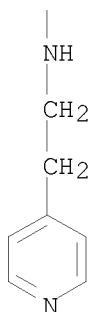
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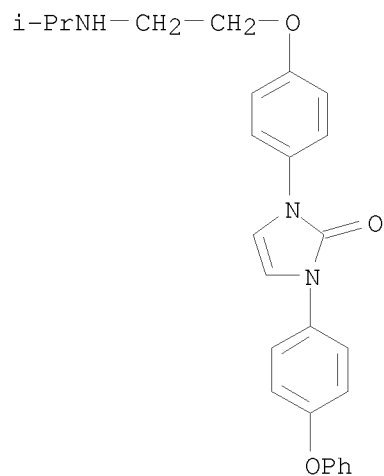
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RN 654013-06-6 HCAPLUS

CN 2H-Imidazol-2-one, 1,3-dihydro-1-[4-[2-[(1-methylethyl)amino]ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)



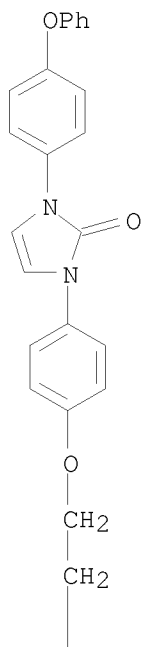
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CN Acetamide, N-[1-[2-[4-[2,3-dihydro-2-oxo-3-(4-phenoxyphenyl)-1H-imidazol-1-yl]phenoxy]ethyl]-3-pyrrolidinyl]- (CA INDEX NAME)

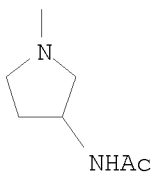
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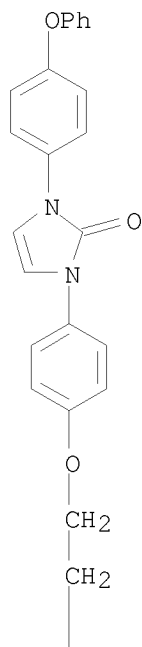


RN 654013-15-7 HCAPLUS
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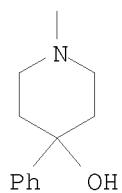
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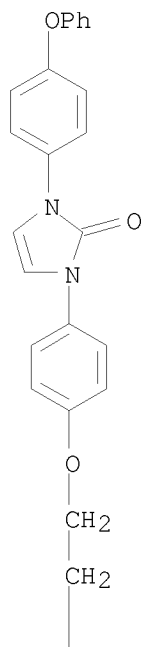


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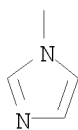
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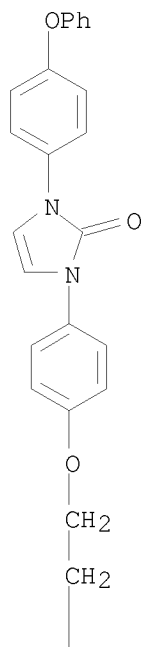


RN 654013-21-5 HCAPLUS
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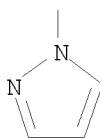
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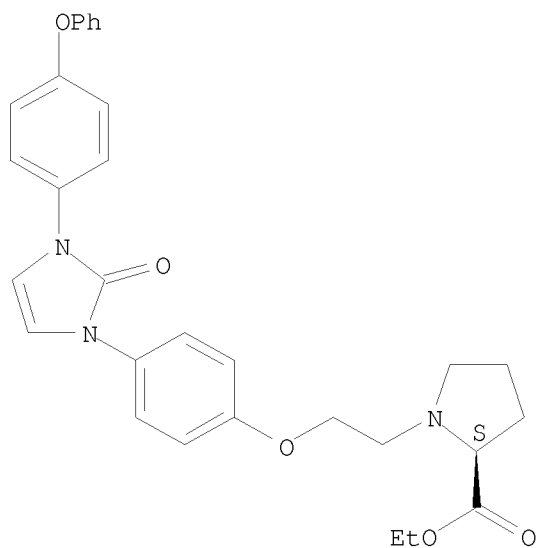
RN 654013-26-0 HCAPLUS

CN L-Proline, 1-[2-[4-[2,3-dihydro-2-oxo-3-(4-phenoxyphenyl)-1H-imidazol-1-yl]phenoxy]ethyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

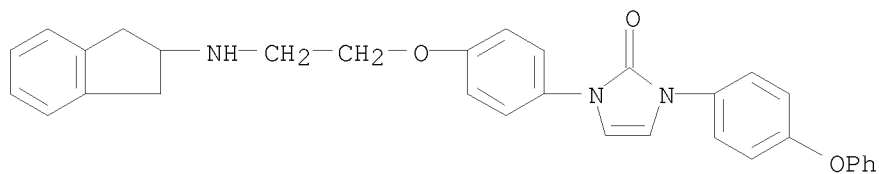
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RN 654013-30-6 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-[(2,3-dihydro-1H-inden-2-yl)amino]ethoxy]phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)



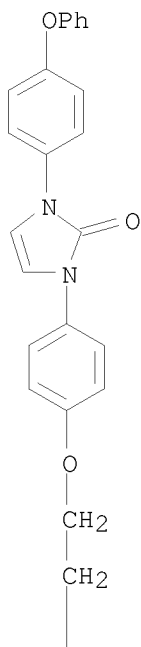
RN 654013-35-1 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(2-ethyl-1-piperidinyl)ethoxy]phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)

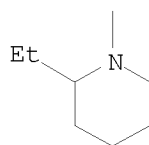
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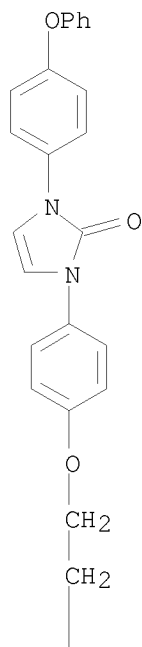


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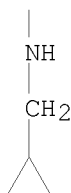
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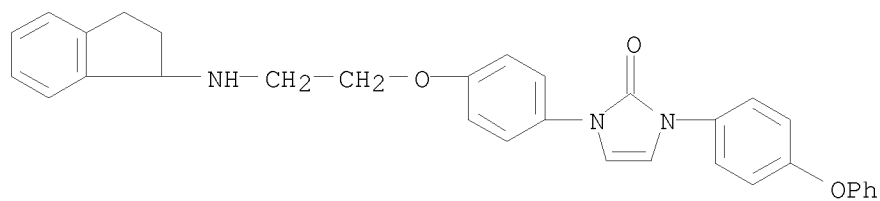
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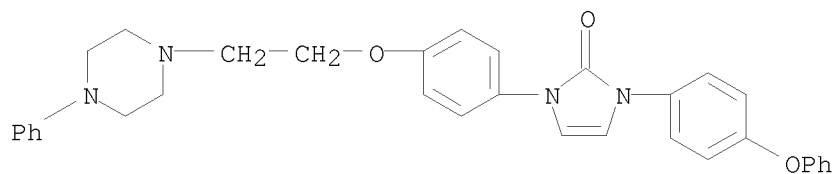
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CN 2H-Imidazol-2-one, 1-[4-[2-[(2,3-dihydro-1H-inden-1-yl)amino]ethoxy]phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)



RN 654013-51-1 HCAPLUS
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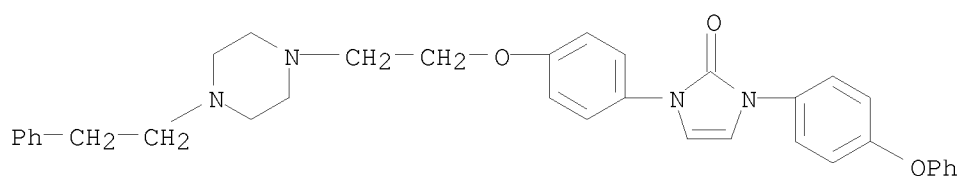
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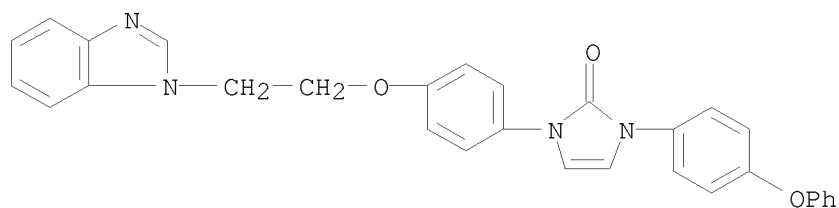
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CN 2H-Imidazol-2-one, 1,3-dihydro-1-(4-phenoxyphenyl)-3-[4-[2-[4-(2-phenylethyl)-1-piperazinyl]ethoxy]phenyl]- (CA INDEX NAME)



RN 654013-60-2 HCAPLUS

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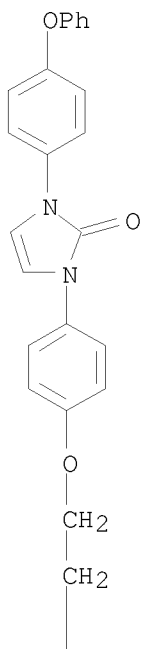


RN 654013-63-5 HCAPLUS

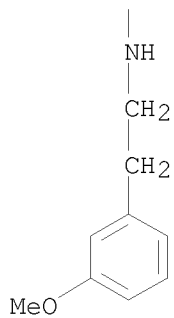
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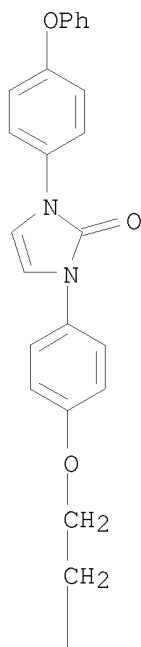


RN 654013-67-9 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(4,5-dihydro-2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)

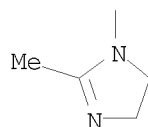
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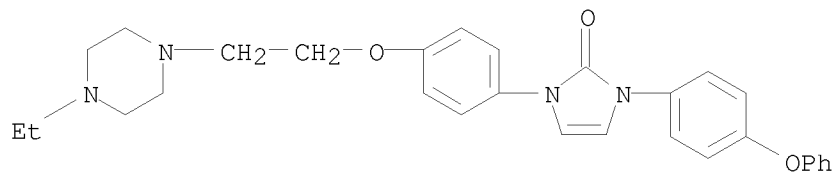
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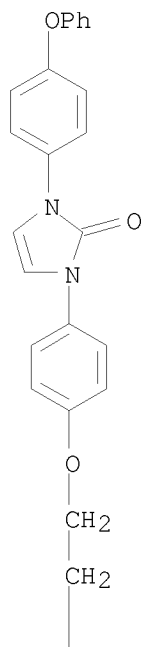


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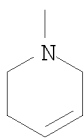
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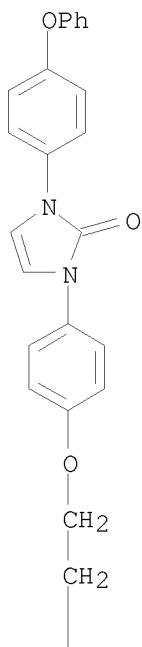


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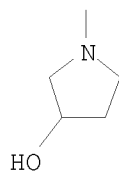
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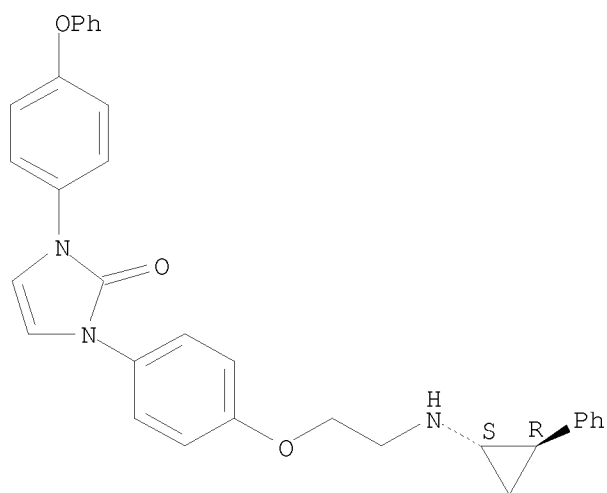
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Relative stereochemistry.

Updated Search

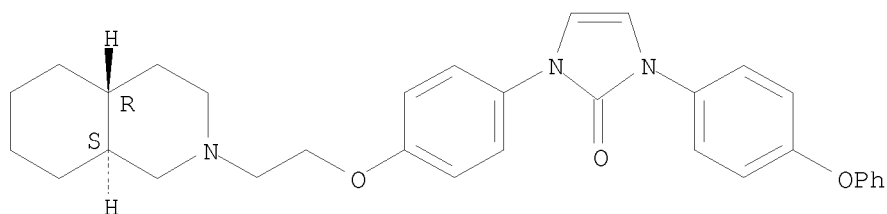
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RN 654013-87-3 HCAPLUS

CN 2H-Imidazol-2-one, 1,3-dihydro-1-[4-[2-[(4aR,8aS)-octahydro-2(1H)-isoquinolinyl]ethoxy]phenyl]-3-(4-phenoxyphenyl)-, rel- (CA INDEX NAME)

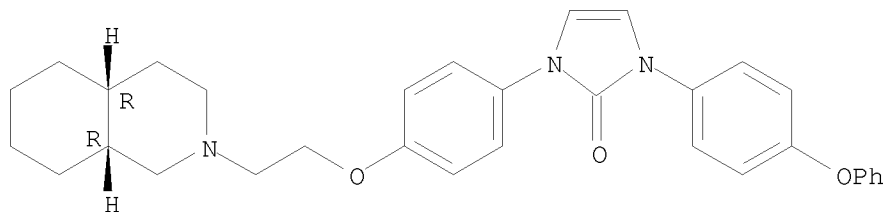
Relative stereochemistry.



RN 654013-91-9 HCAPLUS

CN 2H-Imidazol-2-one, 1,3-dihydro-1-[4-[2-[(4aR,8aR)-octahydro-2(1H)-isoquinolinyl]ethoxy]phenyl]-3-(4-phenoxyphenyl)-, rel- (CA INDEX NAME)

Relative stereochemistry.

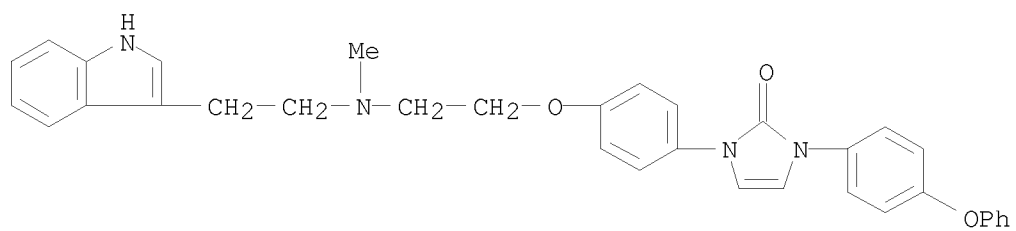


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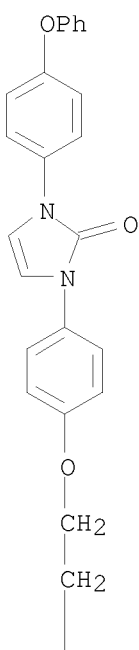
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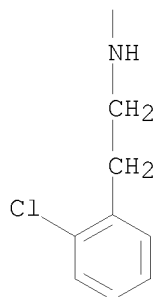


RN 654013-97-5 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-[[2-(2-chlorophenyl)ethyl]amino]ethoxy]phenyl]-
1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)

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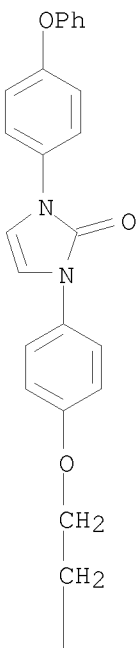
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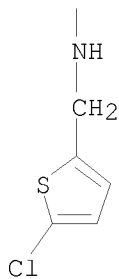
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RN 654014-00-3 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-[[(5-chloro-2-thienyl)methyl]amino]ethoxy]phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)

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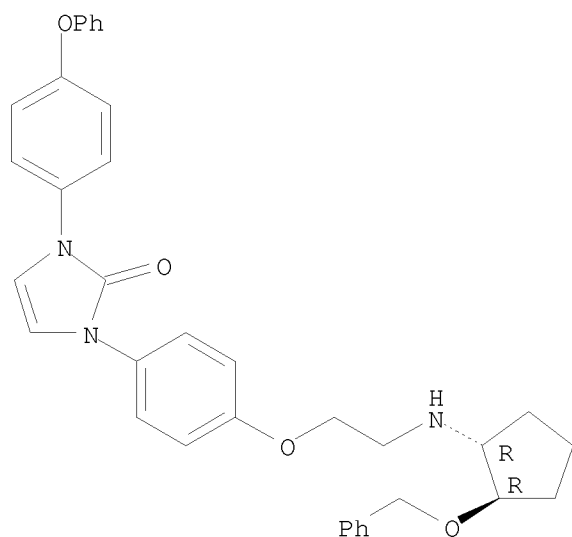


RN 654014-02-5 HCAPLUS
CN 2H-Imidazol-2-one, 1,3-dihydro-1-(4-phenoxyphenyl)-3-[4-[2-[[(1R,2R)-2-(phenylmethoxy)cyclopentyl]amino]ethoxy]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

Updated Search

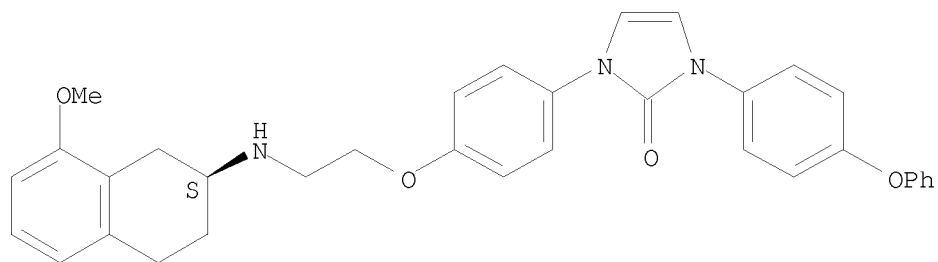
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RN 654014-05-8 HCAPLUS

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Absolute stereochemistry.



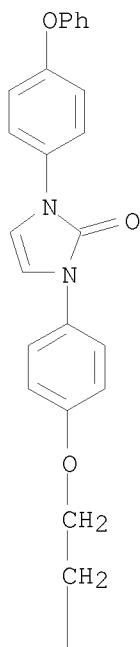
RN 654014-09-2 HCAPLUS

CN 2H-Imidazol-2-one, 1,3-dihydro-1-[4-[2-[4-hydroxy-4-(phenylmethyl)-1-piperidinyl]ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)

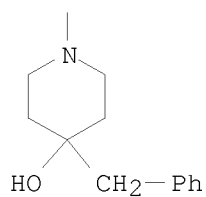
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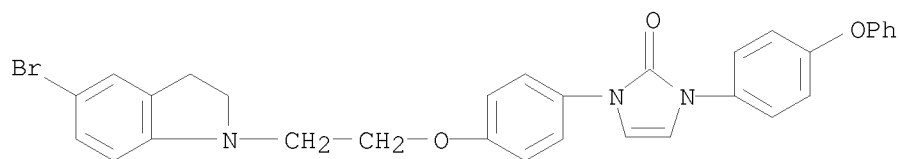
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RN 654014-11-6 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(5-bromo-2,3-dihydro-1H-indol-1-yl)ethoxy]phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)

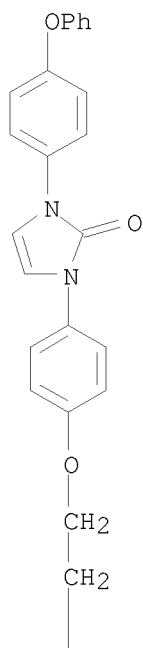


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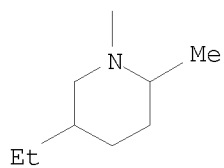
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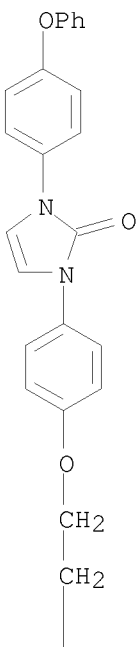


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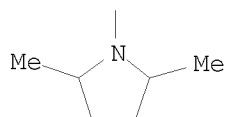
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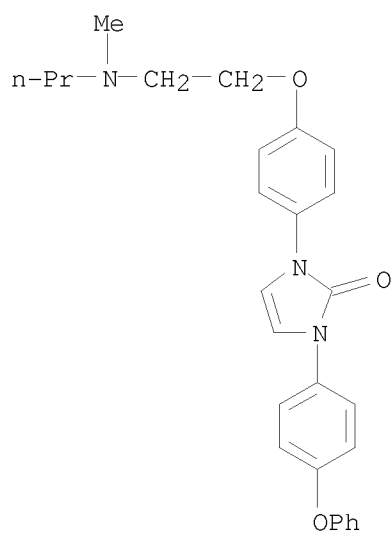
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RN 654014-19-4 HCAPLUS
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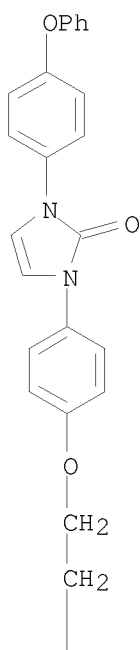
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RN 654014-24-1 HCAPLUS
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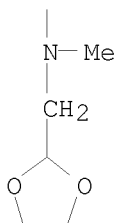
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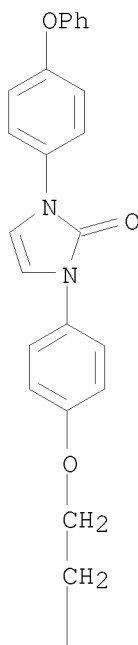
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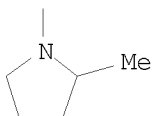


RN 654014-29-6 HCAPLUS
CN 2H-Imidazol-2-one, 1,3-dihydro-1-[4-[2-(2-methyl-1-pyrrolidinyl)ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)

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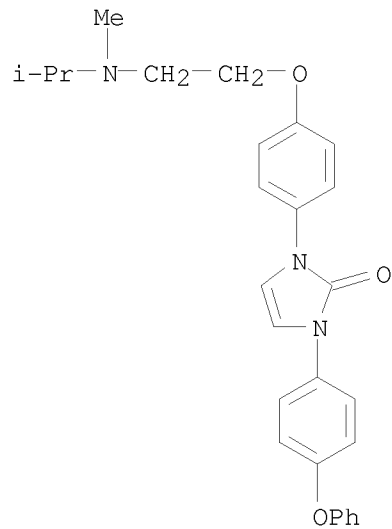
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RN 654014-34-3 HCAPLUS
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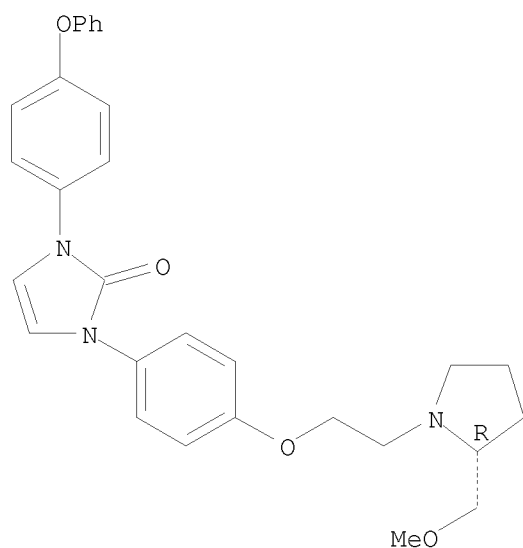
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CN 2H-Imidazol-2-one, 1,3-dihydro-1-[4-[2-[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)

Absolute stereochemistry.



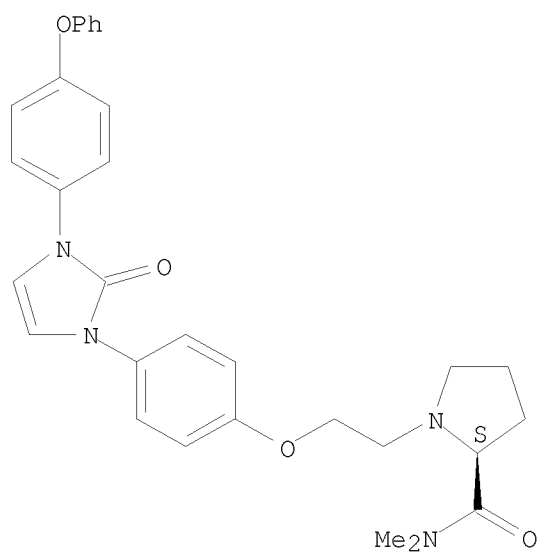
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CN 2-Pyrrolidinecarboxamide, 1-[2-[4-[2,3-dihydro-2-oxo-3-(4-phenoxyphenyl)-1H-imidazol-1-yl]phenoxy]ethyl]-N,N-dimethyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.

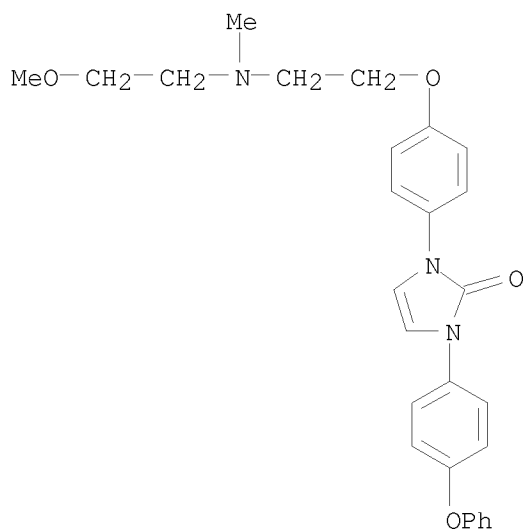
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RN 654014-49-0 HCAPLUS

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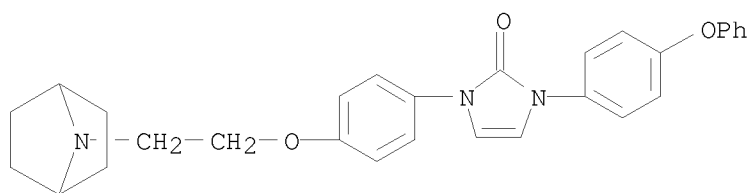


RN 654014-53-6 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(7-azabicyclo[2.2.1]hept-7-yl)ethoxy]phenyl]-1,3-dihydro-3-(4-phenoxyphenyl)- (CA INDEX NAME)

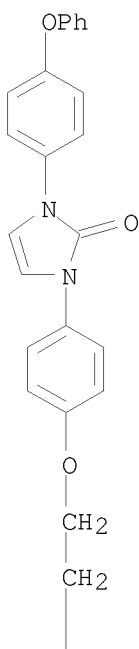
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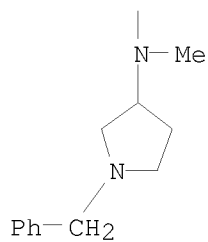


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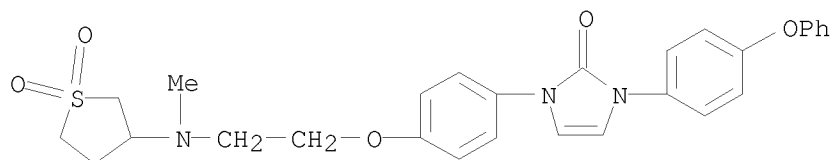


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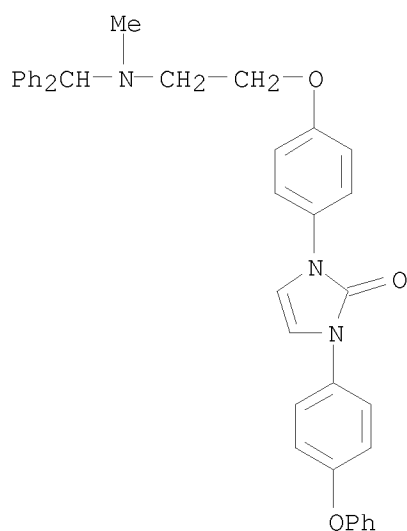
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thienyl)amino]ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)



RN 654014-68-3 HCAPLUS

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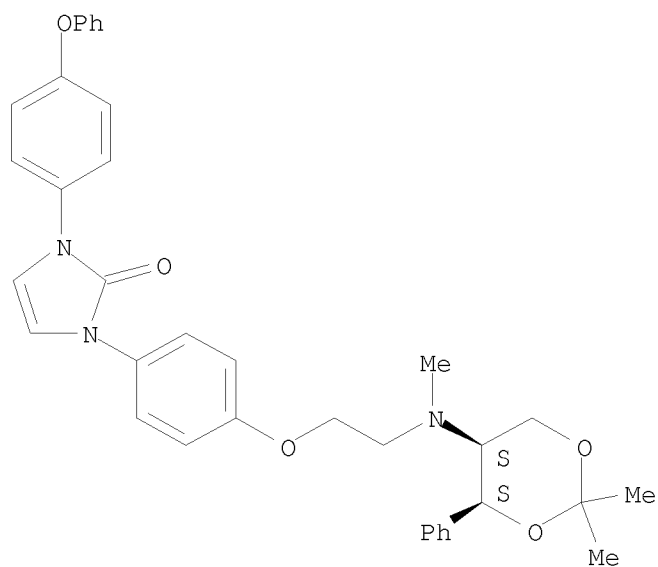
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Absolute stereochemistry.

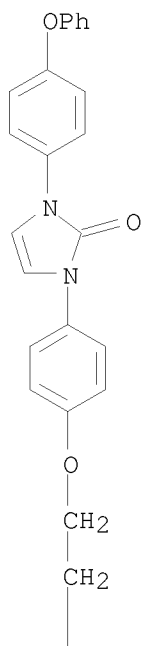
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RN 654014-78-5 HCAPLUS
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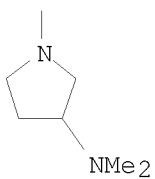
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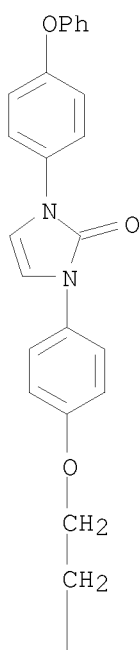
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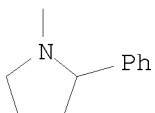


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CN 2H-Imidazol-2-one, 1,3-dihydro-1-(4-phenoxyphenyl)-3-[4-[2-(2-phenyl-1-pyrrolidinyl)ethoxy]phenyl]- (CA INDEX NAME)

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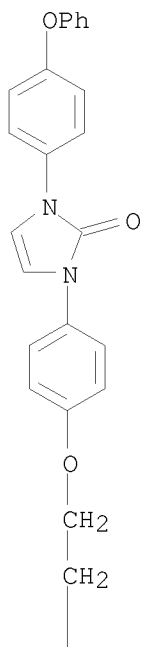


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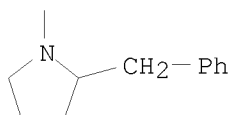
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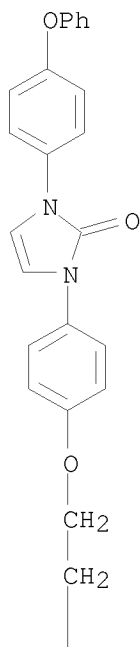


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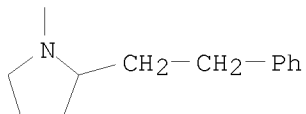
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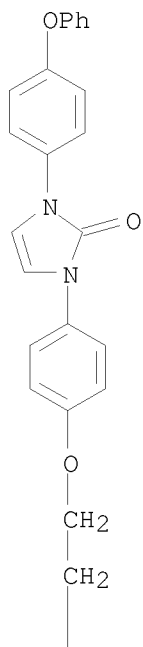


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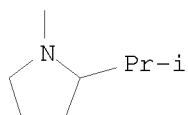
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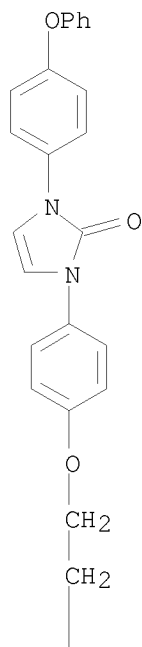


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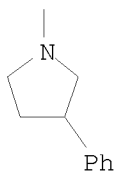
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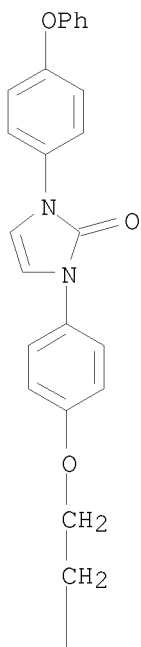


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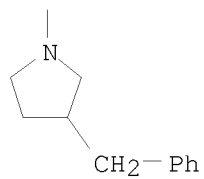
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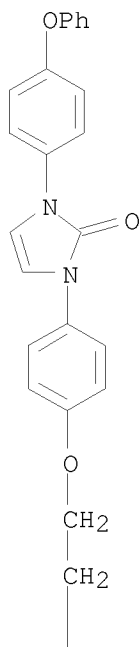


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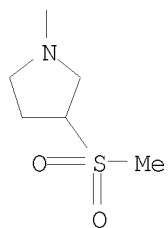
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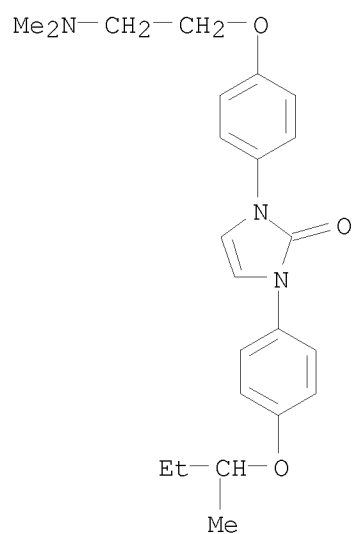


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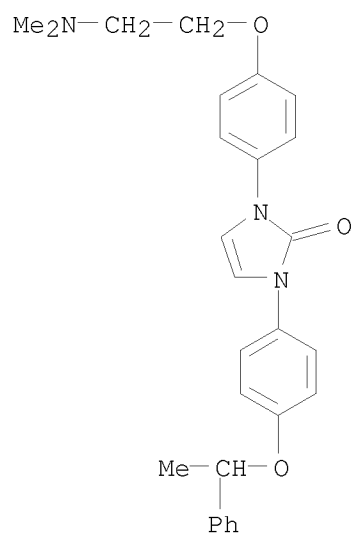
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RN 654015-24-4 HCAPLUS

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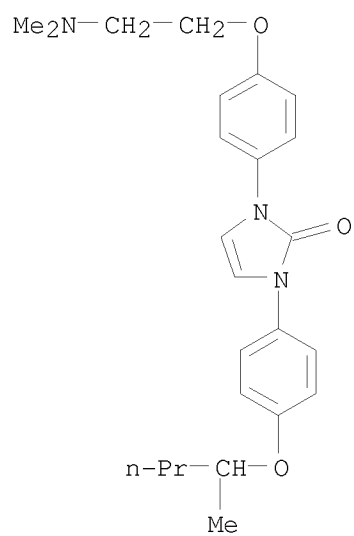


RN 654015-32-4 HCAPLUS

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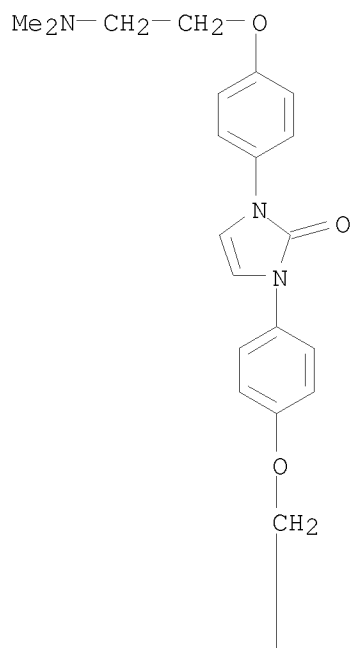
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RN 654015-37-9 HCAPLUS

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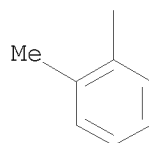
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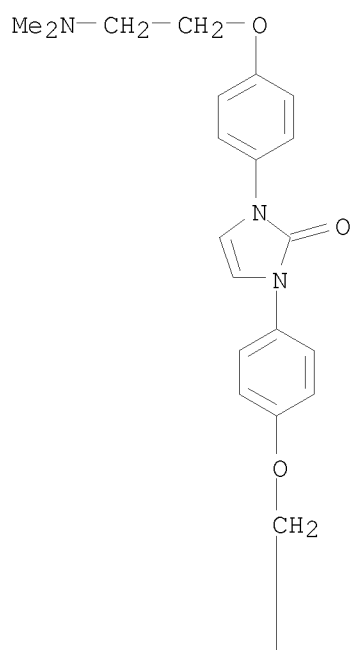
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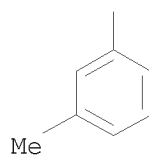


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CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-
[(3-methylphenyl)methoxy]phenyl]- (CA INDEX NAME)

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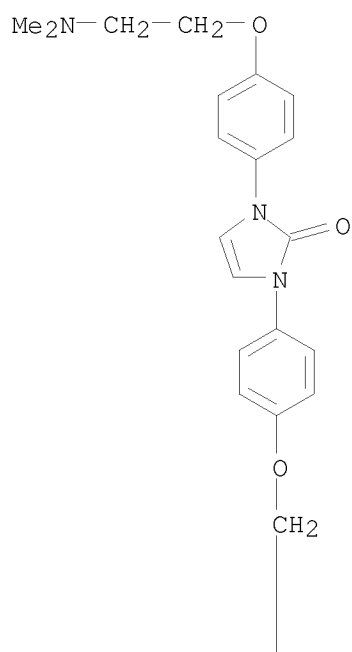


RN 654015-47-1 HCAPLUS
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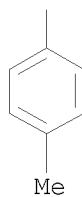
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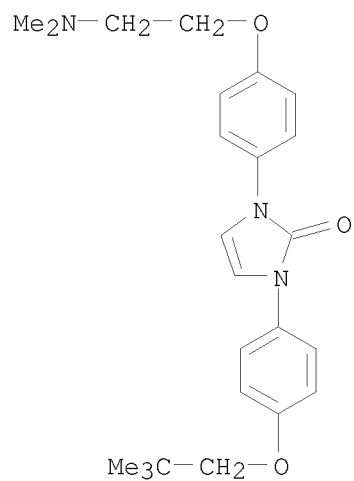
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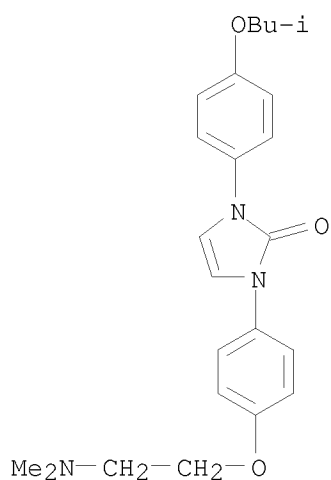
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RN 654015-57-3 HCAPLUS

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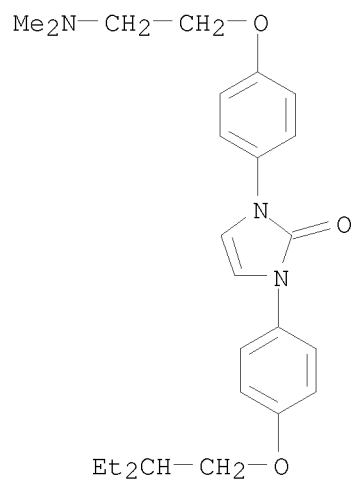


RN 654015-62-0 HCAPLUS

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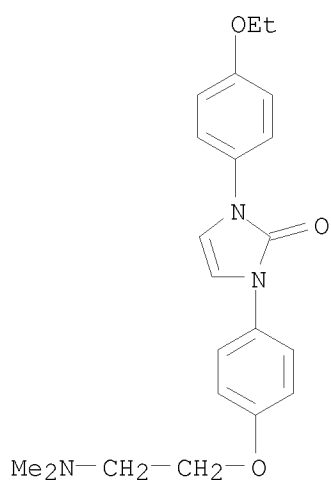
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RN 654015-66-4 HCAPLUS

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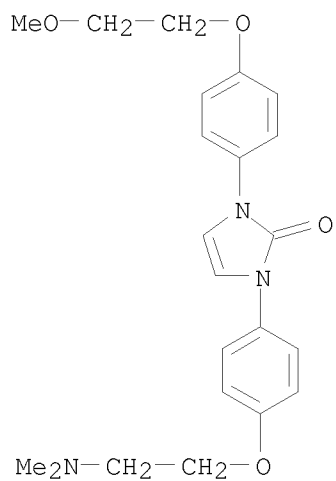


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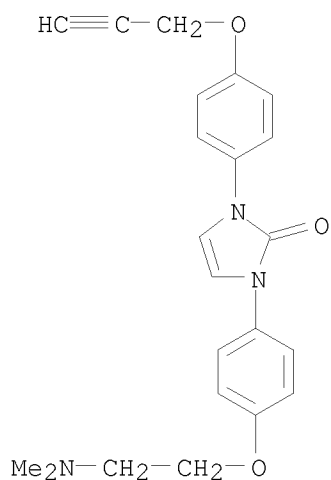
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RN 654015-76-6 HCAPLUS

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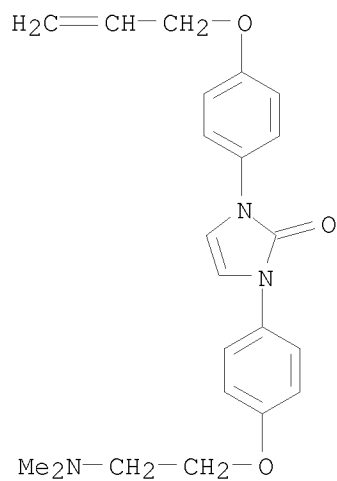


RN 654015-81-3 HCAPLUS

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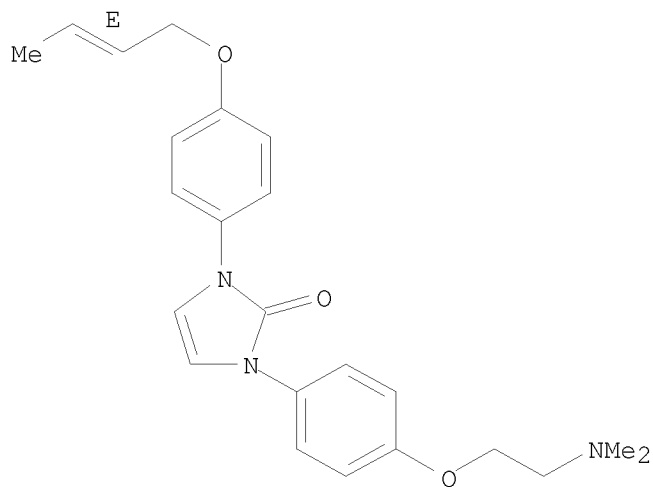
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RN 654015-86-8 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[(2E)-2-buten-1-yloxy]phenyl]-3-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

Double bond geometry as shown.

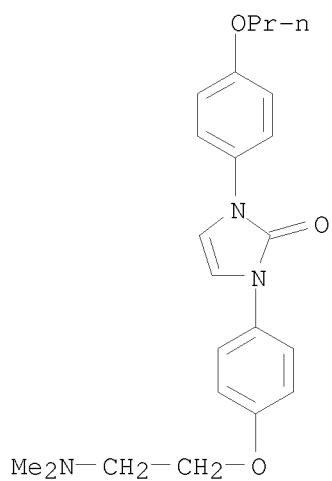


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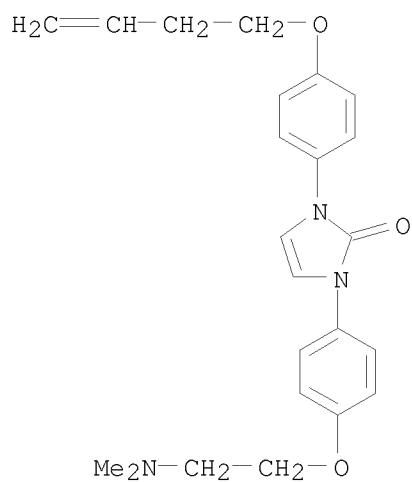
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RN 654015-96-0 HCAPLUS

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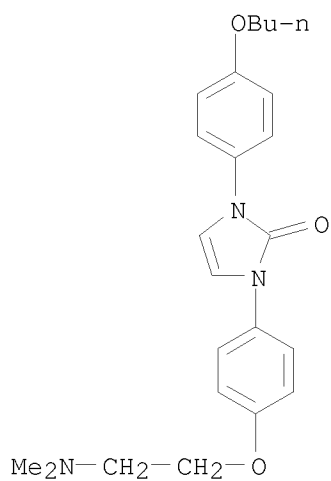


RN 654016-02-1 HCAPLUS

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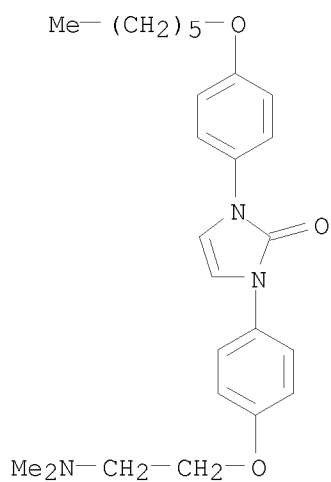
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RN 654016-07-6 HCAPLUS

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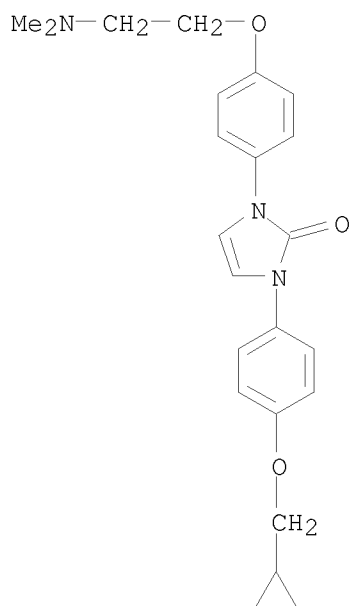


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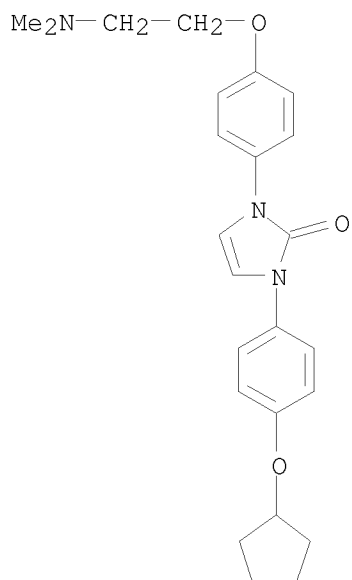
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RN 654016-15-6 HCAPLUS
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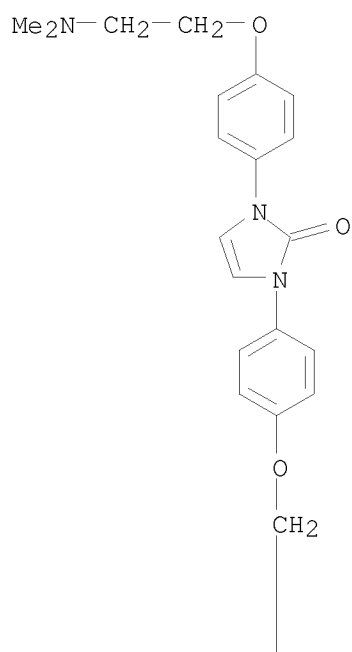


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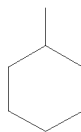
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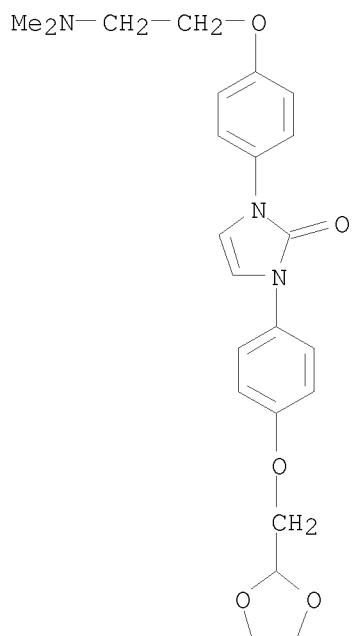
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RN 654016-25-8 HCAPLUS
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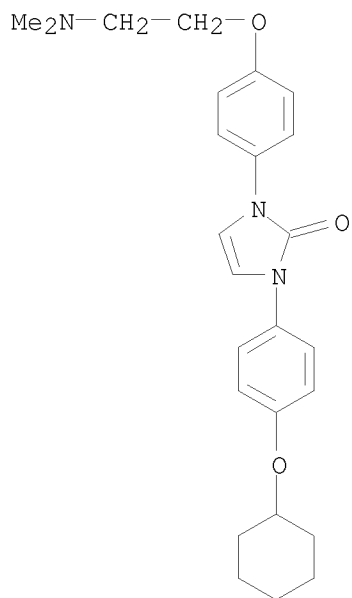
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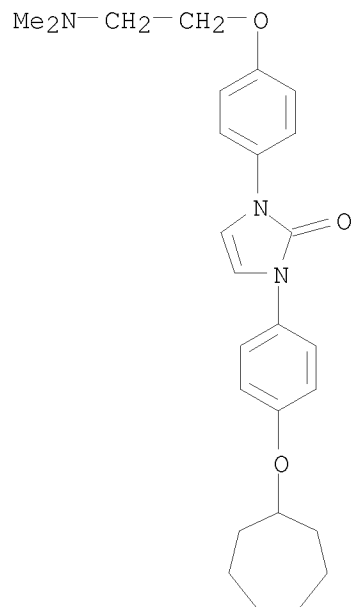


RN 654016-34-9 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-(cycloheptyloxy)phenyl]-3-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

Updated Search

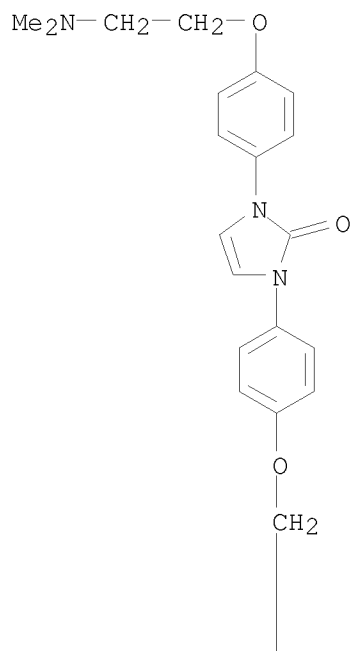
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RN 654016-39-4 HCAPLUS

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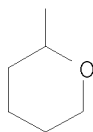
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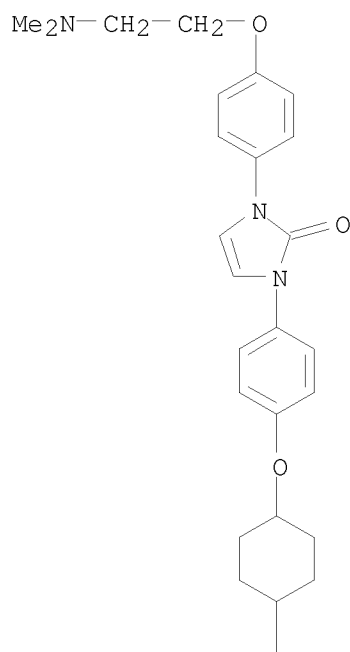
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RN 654016-45-2 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-
[(4-methylcyclohexyl)oxy]phenyl]- (CA INDEX NAME)

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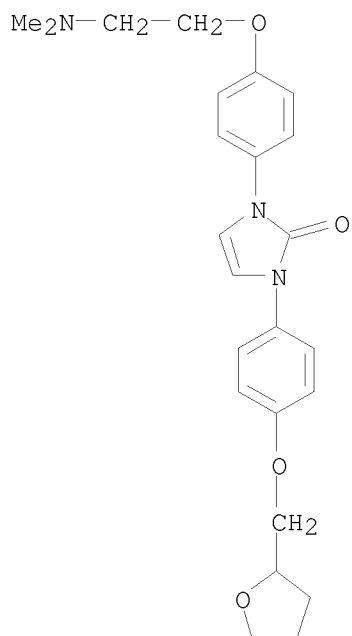
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RN 654016-49-6 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-
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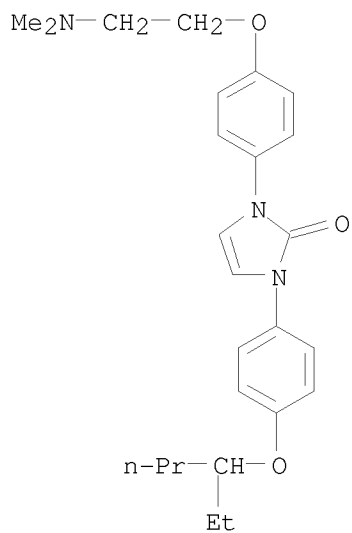
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RN 654016-53-2 HCAPLUS

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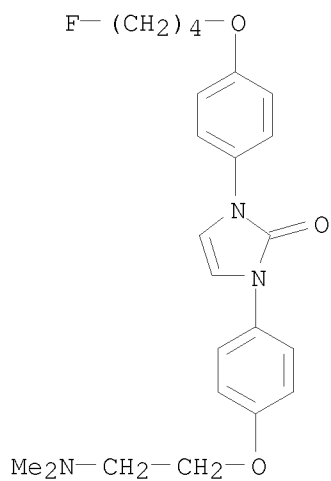


RN 654016-58-7 HCAPLUS

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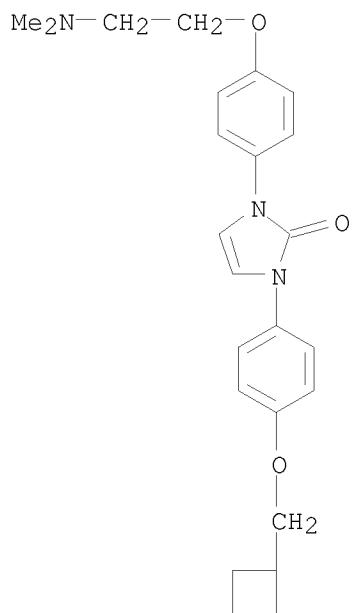
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RN 654016-63-4 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-(cyclobutylmethoxy)phenyl]-3-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

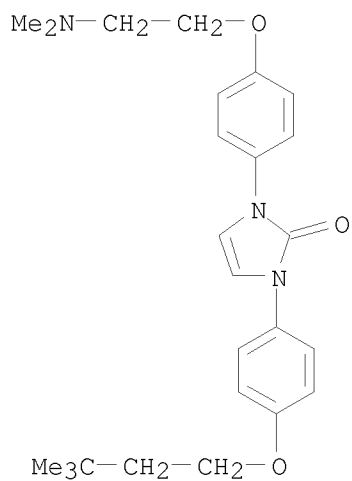


RN 654016-68-9 HCAPLUS

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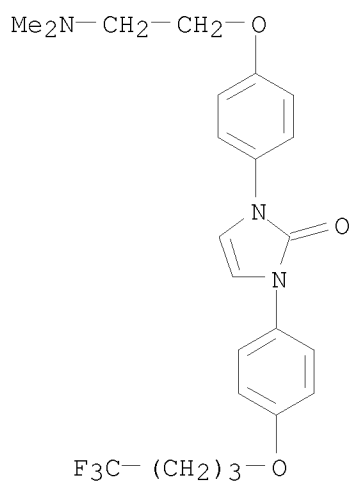
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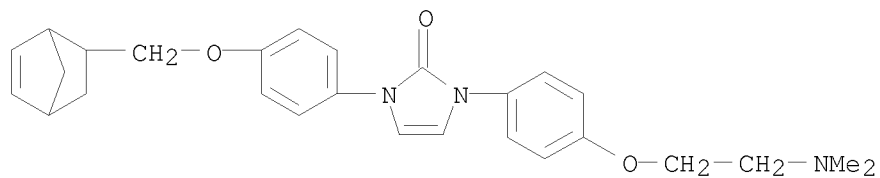
RN 654016-73-6 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-(4,4,4-trifluorobutoxy)phenyl]- (CA INDEX NAME)



RN 654016-79-2 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-(bicyclo[2.2.1]hept-5-en-2-ylmethoxy)phenyl]-3-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

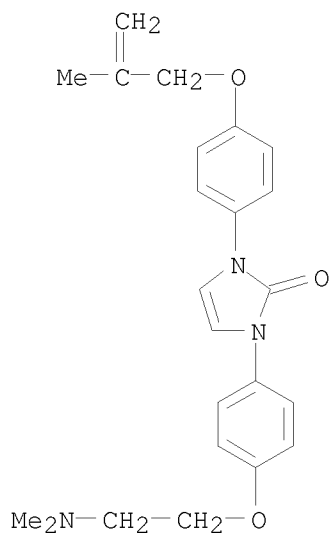


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RN 654016-82-7 HCAPLUS

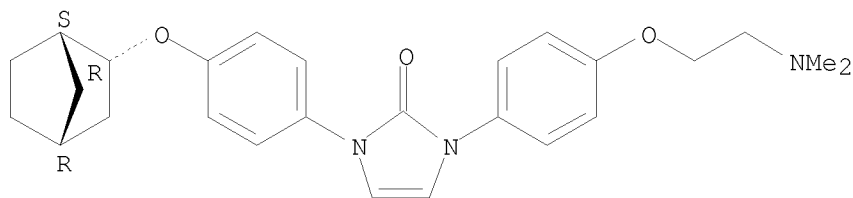
CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-[(2-methyl-2-propen-1-yl)oxy]phenyl]- (CA INDEX NAME)



RN 654016-86-1 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[(1R,2S,4S)-bicyclo[2.2.1]hept-2-yloxy]phenyl]-3-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-, rel- (CA INDEX NAME)

Relative stereochemistry.

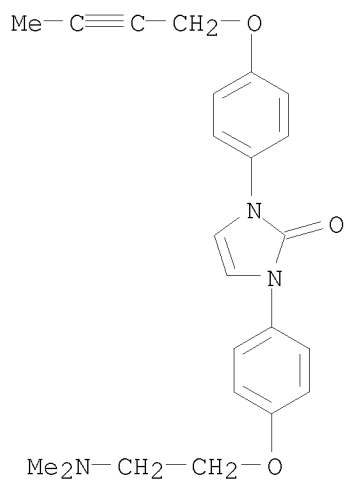


RN 654016-90-7 HCAPLUS

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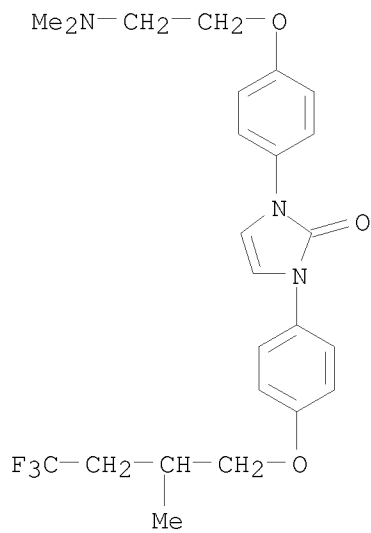
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RN 654016-94-1 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-(4,4,4-trifluoro-2-methylbutoxy)phenyl]- (CA INDEX NAME)

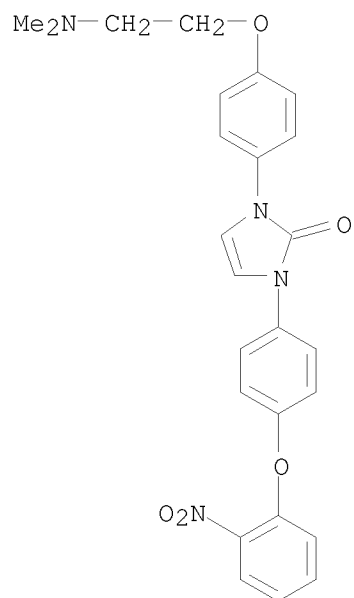


RN 654017-02-4 HCAPLUS

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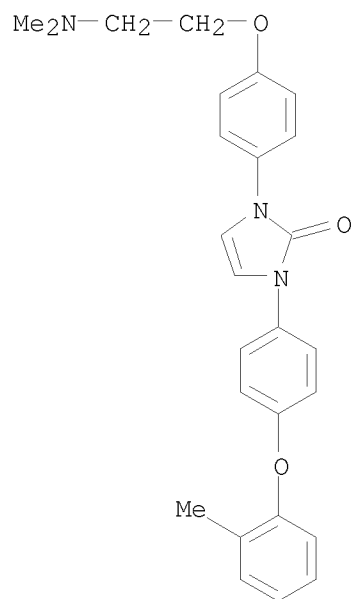
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RN 654017-07-9 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-(2-methylphenoxy)phenyl]- (CA INDEX NAME)

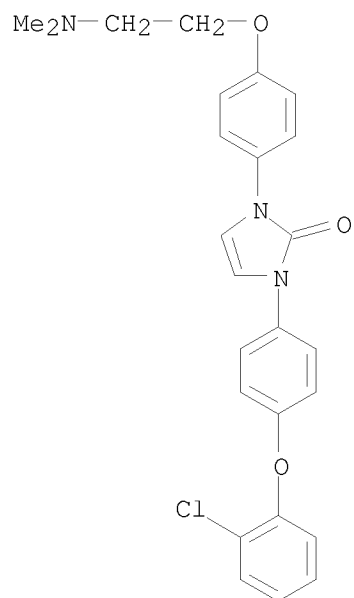


RN 654017-11-5 HCAPLUS

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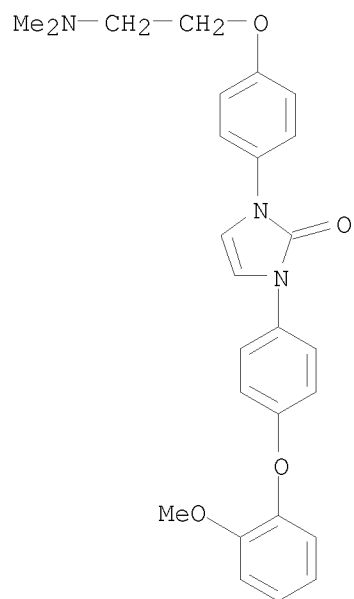
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RN 654017-15-9 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-(2-methoxyphenoxy)phenyl]- (CA INDEX NAME)

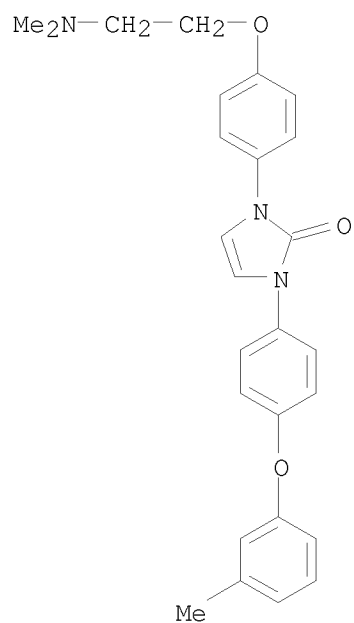


RN 654017-20-6 HCAPLUS

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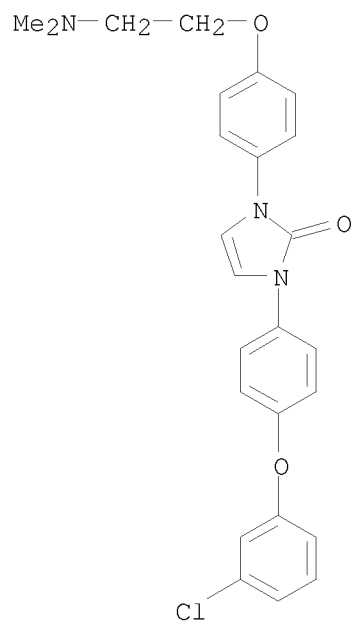
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RN 654017-25-1 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-(3-chlorophenoxy)phenyl]-3-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

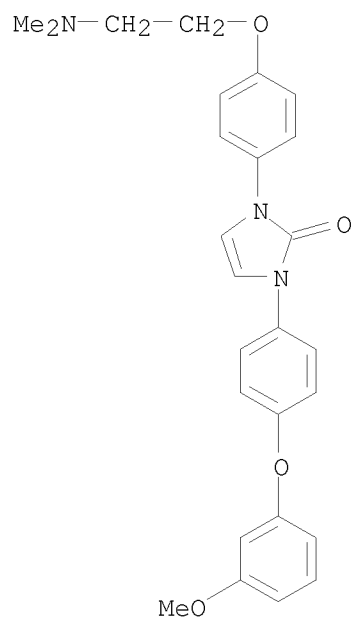


RN 654017-30-8 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-(3-methoxyphenoxy)phenyl]- (CA INDEX NAME)

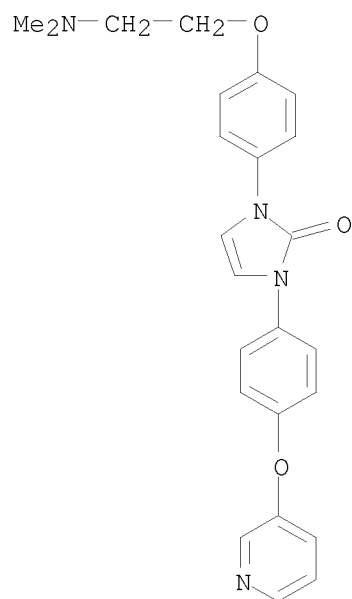
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RN 654017-35-3 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-(3-pyridinyloxy)phenyl]- (CA INDEX NAME)

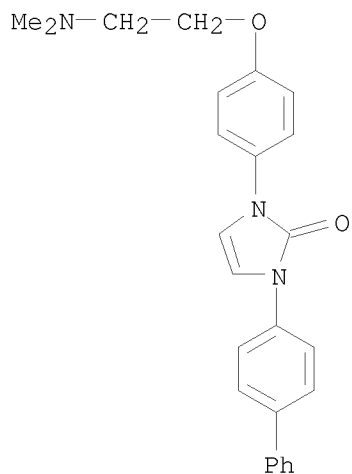


RN 654017-40-0 HCAPLUS

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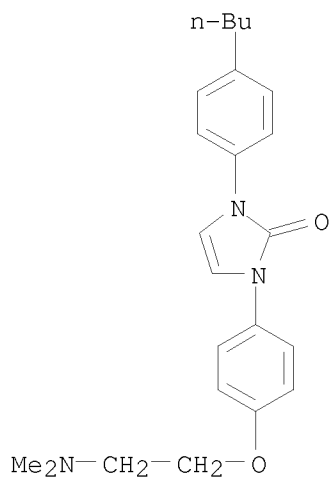
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RN 654017-45-5 HCAPLUS

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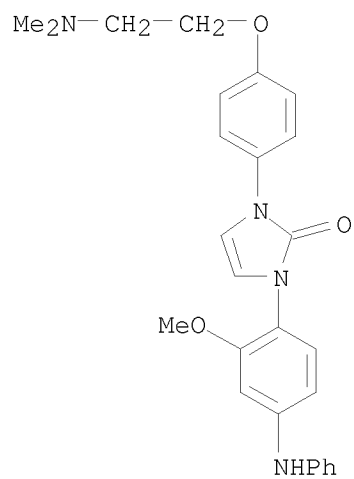


RN 654017-50-2 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[2-methoxy-4-(phenylamino)phenyl]- (CA INDEX NAME)

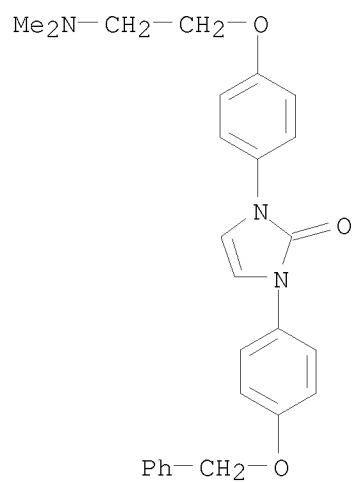
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RN 654017-55-7 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-(phenylmethoxy)phenyl]- (CA INDEX NAME)

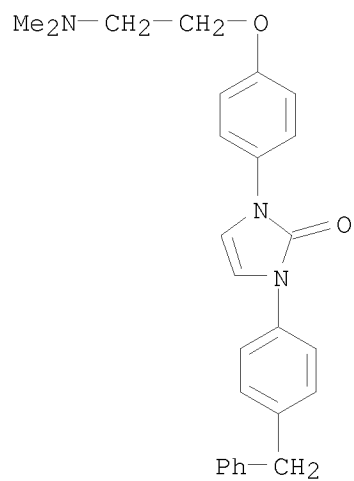


RN 654017-60-4 HCAPLUS

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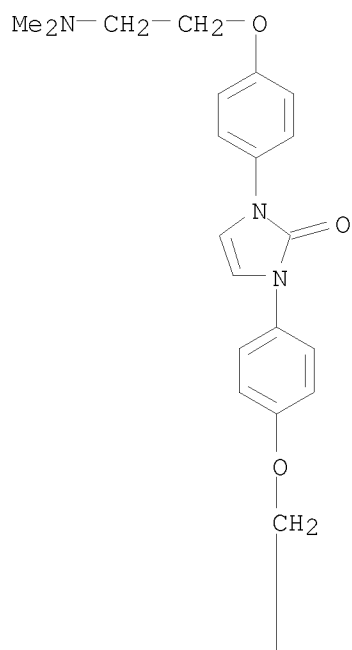
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RN 654017-64-8 HCAPLUS

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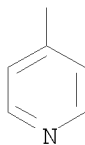
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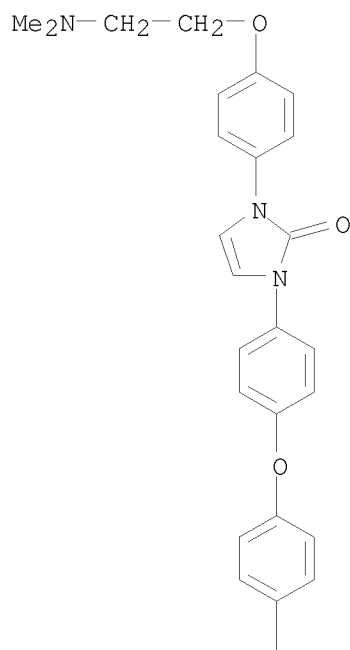
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RN 654017-68-2 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-(4-methylphenoxy)phenyl]- (CA INDEX NAME)

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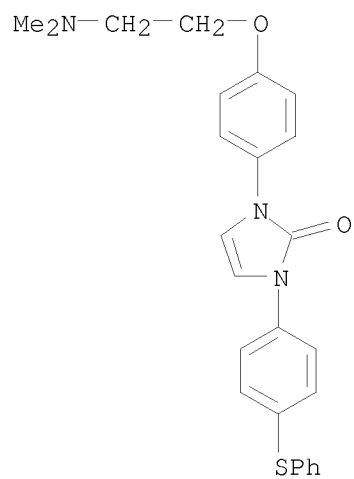
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RN 654017-73-9 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-(phenylthio)phenyl]- (CA INDEX NAME)

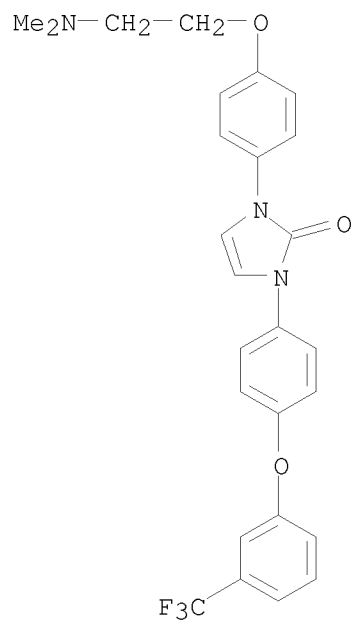
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RN 654017-78-4 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-[3-(trifluoromethyl)phenoxy]phenyl]- (CA INDEX NAME)

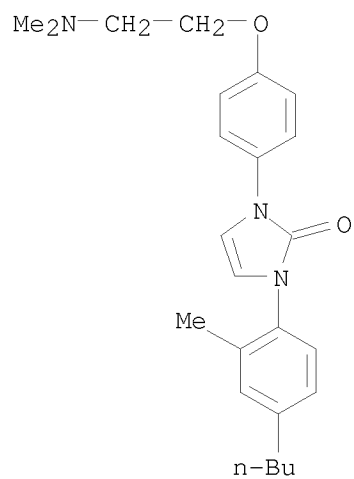


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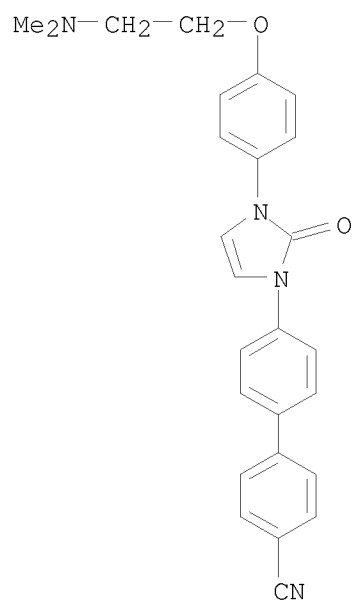
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RN 654017-87-5 HCAPLUS

CN [1,1'-Biphenyl]-4-carbonitrile, 4'-[3-[4-[2-(dimethylamino)ethoxy]phenyl]-2,3-dihydro-2-oxo-1H-imidazol-1-yl]- (CA INDEX NAME)

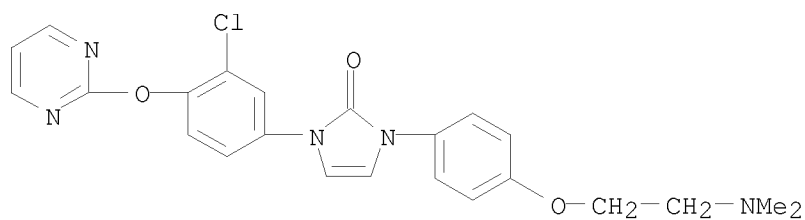


RN 654017-92-2 HCAPLUS

CN 2H-Imidazol-2-one, 1-[3-chloro-4-(2-pyrimidinylloxy)phenyl]-3-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

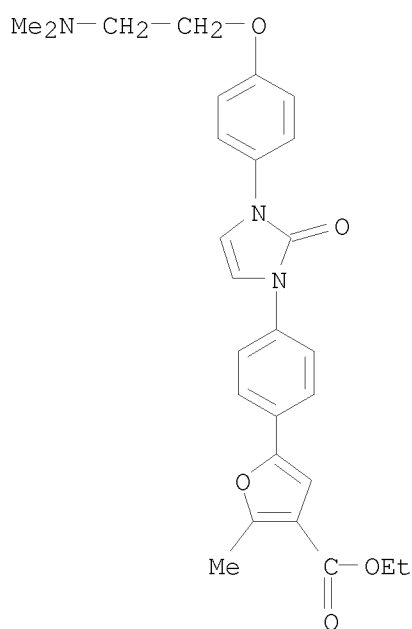
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RN 654017-97-7 HCAPLUS

CN 3-Furancarboxylic acid, 5-[4-[3-[4-[2-(dimethylamino)ethoxy]phenyl]-2,3-dihydro-2-oxo-1H-imidazol-1-yl]phenyl]-2-methyl-, ethyl ester (CA INDEX NAME)

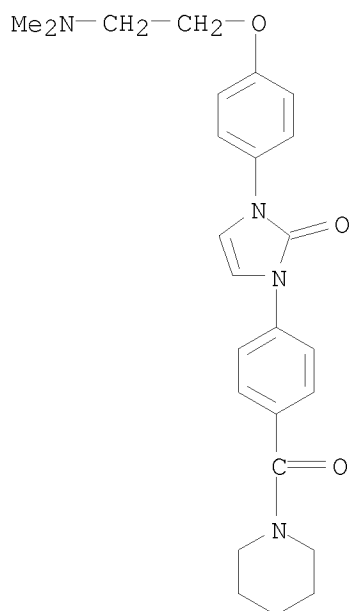


RN 654018-02-7 HCAPLUS

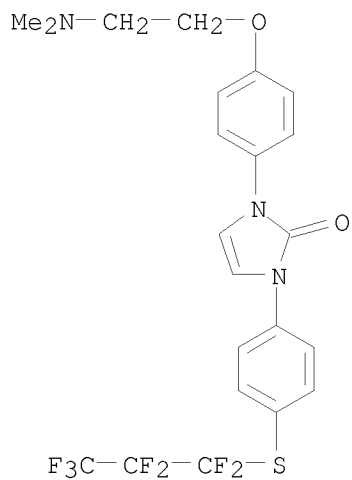
CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-1,3-dihydro-3-[4-(1-piperidinylcarbonyl)phenyl]- (CA INDEX NAME)

Updated Search

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RN 654018-07-2 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-3-[4-[(1,1,2,2,3,3,3-heptafluoropropyl)thio]phenyl]-1,3-dihydro- (CA INDEX NAME)

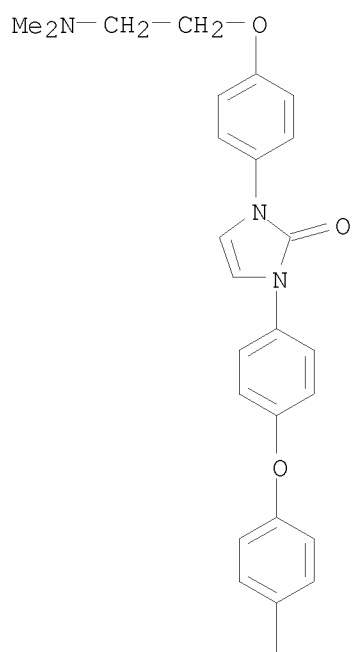


RN 654018-12-9 HCAPLUS
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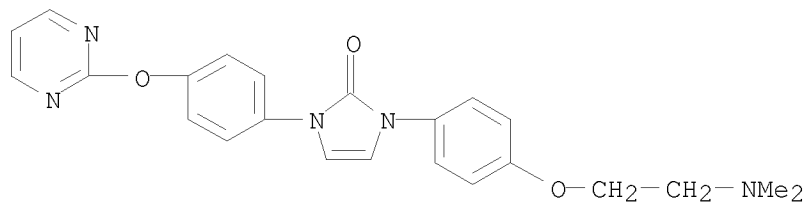
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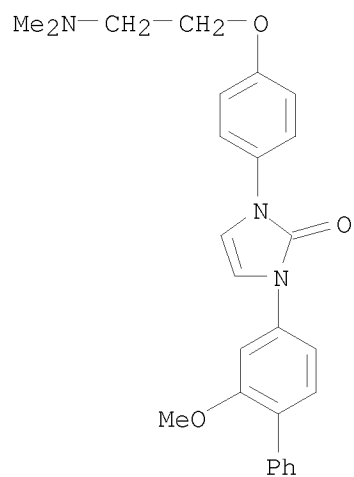
RN 654018-17-4 HCAPLUS
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RN 654018-21-0 HCAPLUS
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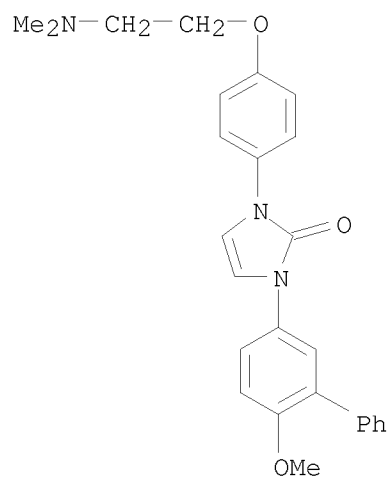
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RN 654018-26-5 HCAPLUS

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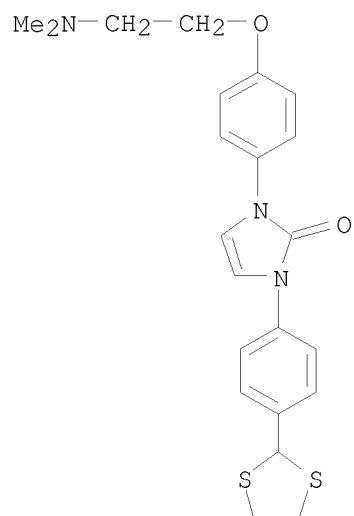


RN 654018-31-2 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-3-[4-(1,3-dithiolan-2-yl)phenyl]-1,3-dihydro- (CA INDEX NAME)

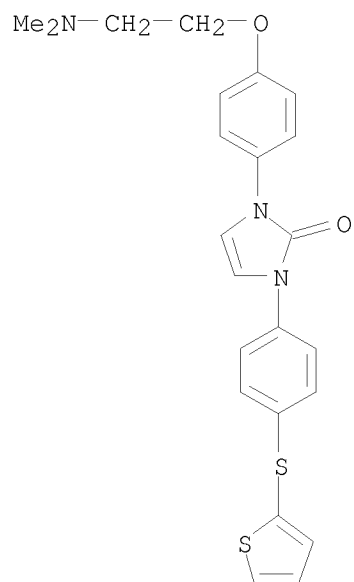
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RN 654018-36-7 HCAPLUS

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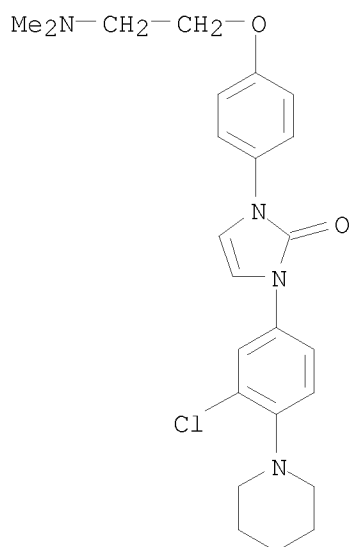


RN 654018-41-4 HCAPLUS

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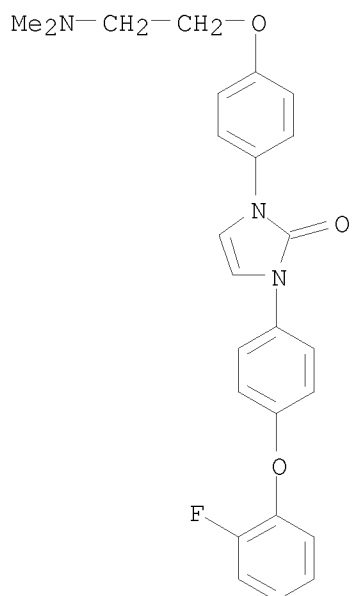
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RN 654018-46-9 HCAPLUS

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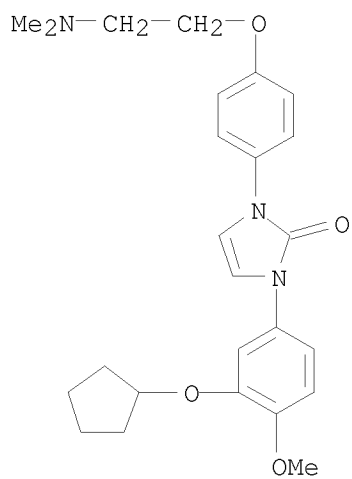


RN 654018-51-6 HCAPLUS

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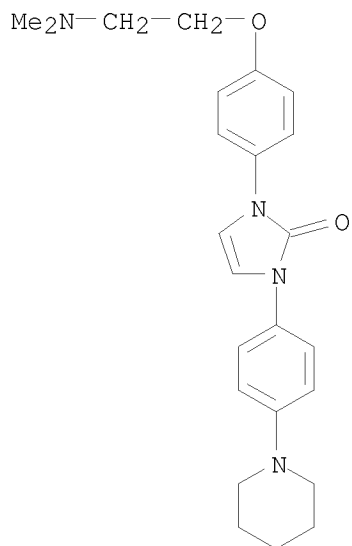
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RN 654018-56-1 HCAPLUS

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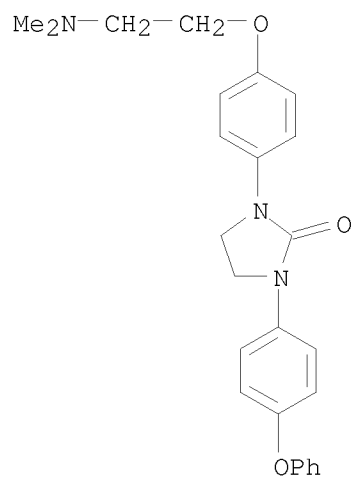


RN 654019-01-9 HCAPLUS

CN 2-Imidazolidinone, 1-[4-[2-(dimethylamino)ethoxy]phenyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)

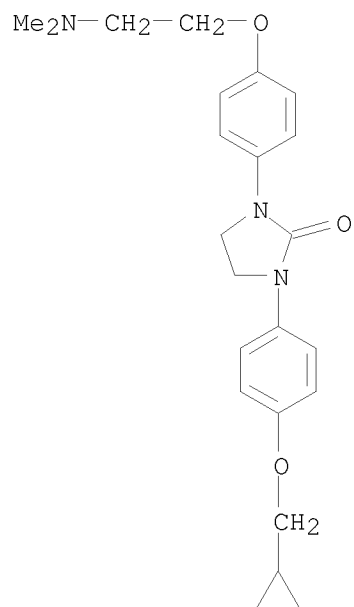
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RN 654019-07-5 HCAPLUS

CN 2-Imidazolidinone, 1-[4-(cyclopropylmethoxy)phenyl]-3-[4-[2-(dimethylamino)ethoxy]phenyl]- (CA INDEX NAME)

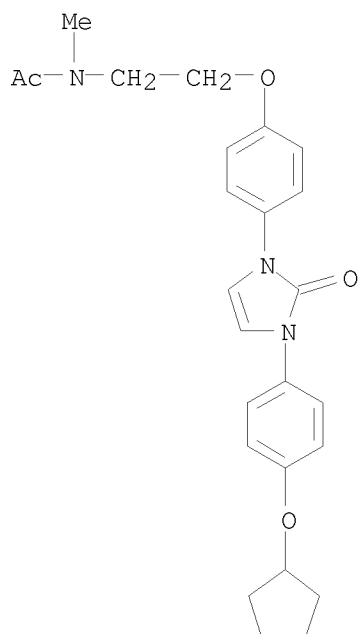


RN 654019-28-0 HCAPLUS

CN Acetamide, N-[2-[4-[3-[4-(cyclopentyloxy)phenyl]-2,3-dihydro-2-oxo-1H-imidazol-1-yl]phenoxy]ethyl]-N-methyl- (CA INDEX NAME)

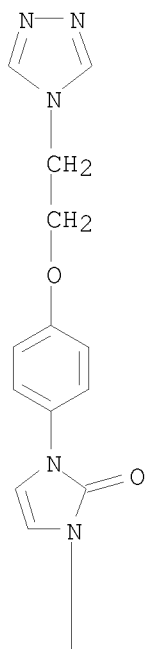
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RN 654019-35-9 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(4H-1,2,4-triazol-4-yl)ethoxy]phenyl]- (CA INDEX NAME)

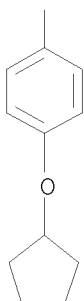
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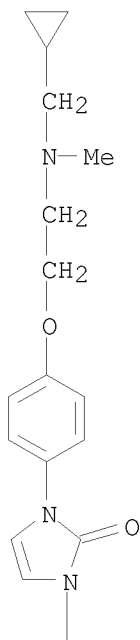
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RN 654019-41-7 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-3-[4-[2-
[(cyclopropylmethyl)methylamino]ethoxy]phenyl]-1,3-dihydro- (CA INDEX
NAME)

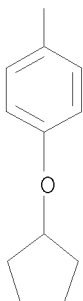
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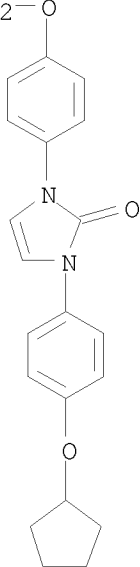
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RN 654019-47-3 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-[(2-methoxyethyl)amino]ethoxy]phenyl]- (CA INDEX NAME)

MeO-CH₂-CH₂-NH-CH₂-CH₂-O



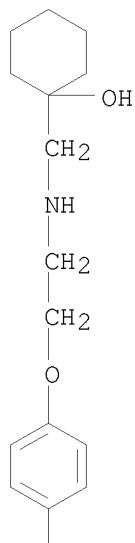
RN 654019-52-0 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-[(1-hydroxycyclohexyl)methyl]amino]ethoxy]phenyl]- (CA INDEX NAME)

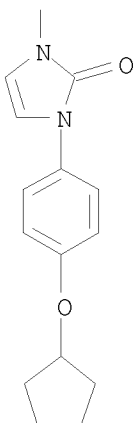
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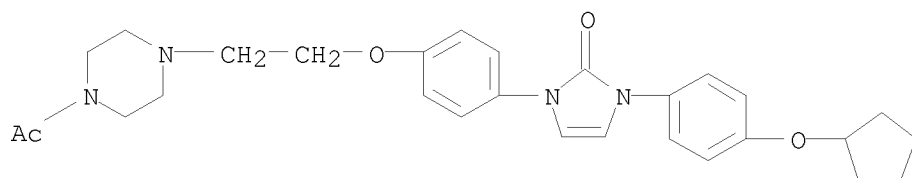
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RN 654019-57-5 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(4-acetyl-1-piperazinyl)ethoxy]phenyl]-3-[4-(cyclopentyloxy)phenyl]-1,3-dihydro- (CA INDEX NAME)

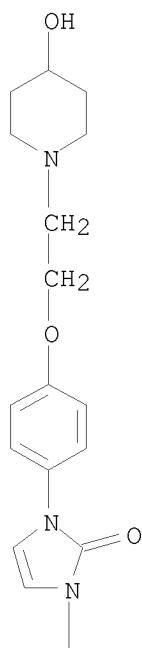
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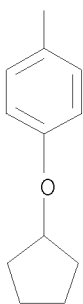


RN 654019-63-3 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(4-hydroxy-1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)

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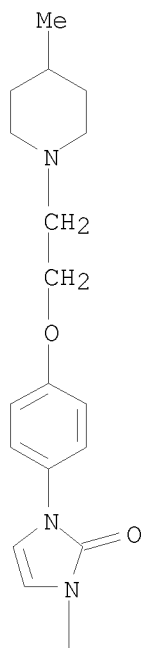
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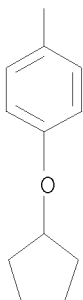
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RN 654019-69-9 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(4-methyl-1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)

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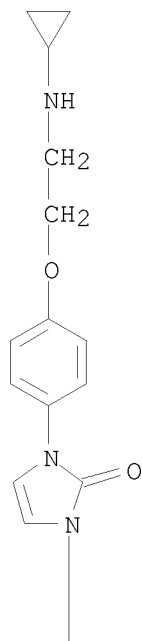


RN 654019-73-5 HCAPLUS
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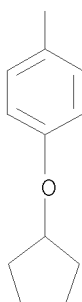
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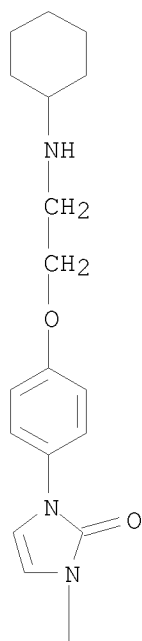


RN 654019-79-1 HCAPLUS
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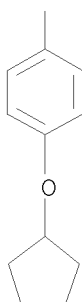
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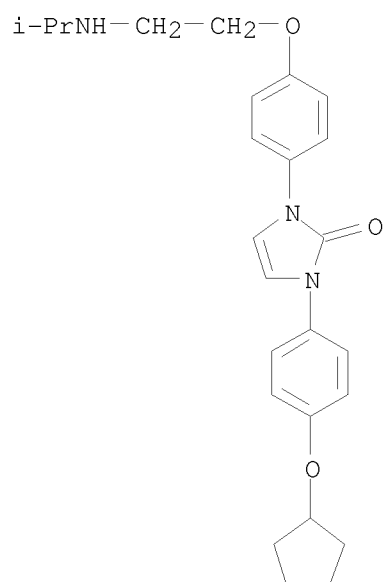
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RN 654019-84-8 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentylmethoxy)phenyl]-1,3-dihydro-3-[(1-methylethyl)amino]ethoxyphenyl- (CA INDEX NAME)

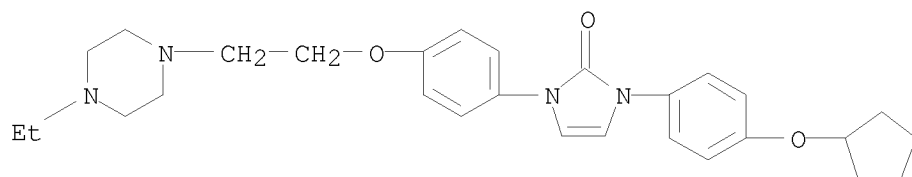
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RN 654019-89-3 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-3-[4-[2-(4-ethyl-1-piperazinyl)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)



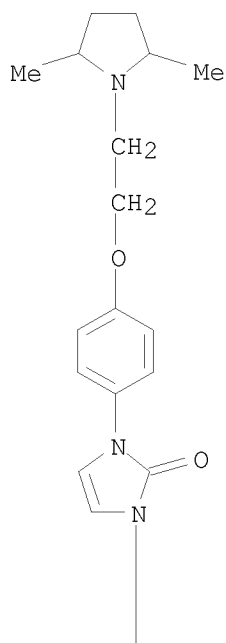
RN 654019-94-0 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-3-[4-[2-(2,5-dimethyl-1-pyrrolidinyl)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

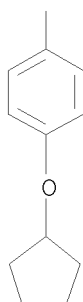
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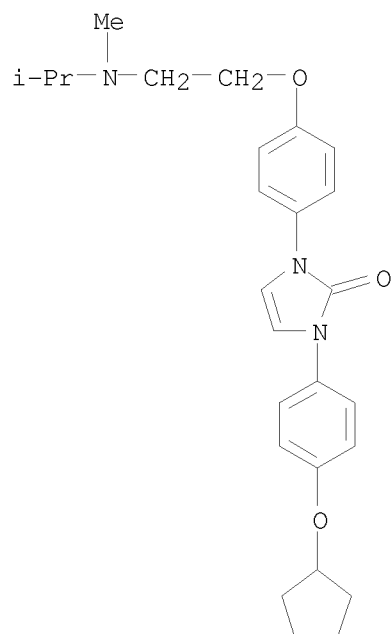
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RN 654019-99-5 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-[methyl(1-methylethyl)amino]ethoxy]phenyl]- (CA INDEX NAME)

Updated Search

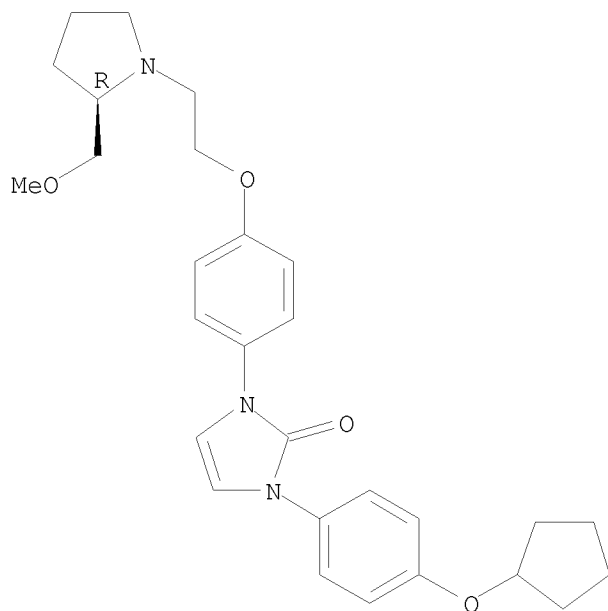
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RN 654020-05-0 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]ethoxy]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

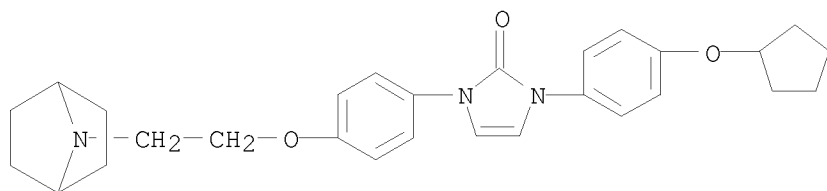


RN 654020-10-7 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-[2-(7-azabicyclo[2.2.1]hept-7-yl)ethoxy]phenyl]-3-[4-(cyclopentyloxy)phenyl]-1,3-dihydro- (CA INDEX NAME)

Updated Search

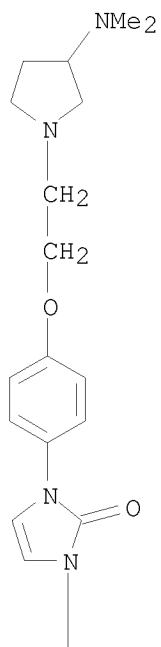
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RN 654020-15-2 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-3-[4-[2-[3-(dimethylamino)-1-pyrrolidinyl]ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

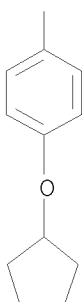
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Updated Search

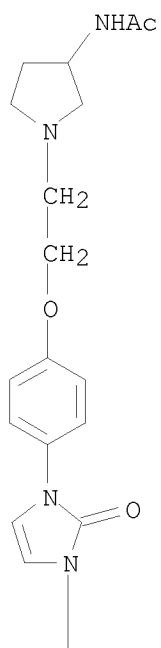
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RN 654020-20-9 HCAPLUS
CN Acetamide, N-[1-[2-[4-[3-[4-(cyclopentyloxy)phenyl]-2,3-dihydro-2-oxo-1H-imidazol-1-yl]phenoxy]ethyl]-3-pyrrolidinyl]- (CA INDEX NAME)

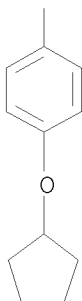
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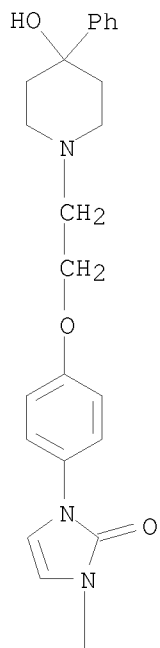
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RN 654020-25-4 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(4-hydroxy-4-phenyl-1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)

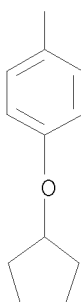
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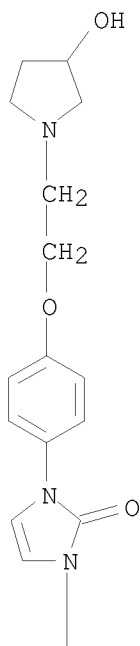
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RN 654020-29-8 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(3-hydroxy-1-pyrrolidinyl)ethoxy]phenyl]- (CA INDEX NAME)

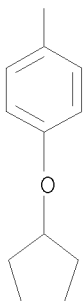
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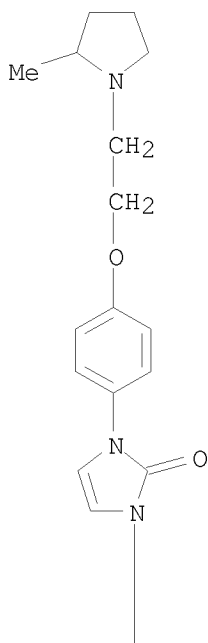
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RN 654020-35-6 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(2-methyl-1-pyrrolidinyl)ethoxy]phenyl]- (CA INDEX NAME)

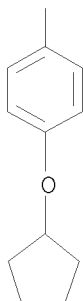
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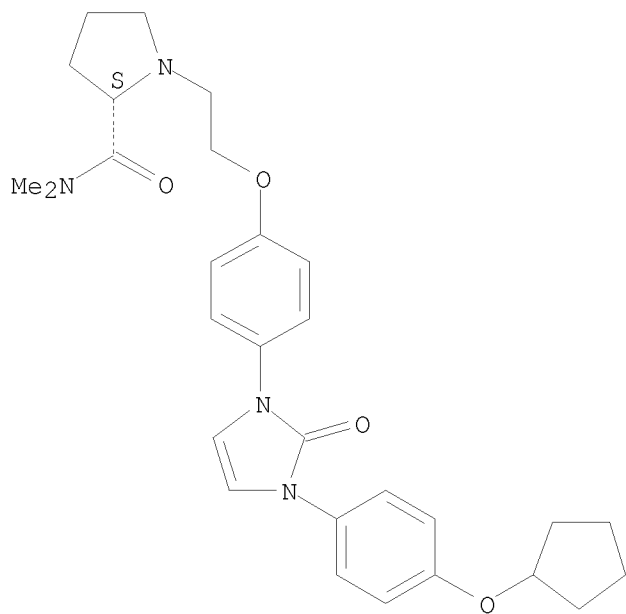
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RN 654020-41-4 HCAPLUS
CN 2-Pyrrolidinecarboxamide, 1-[2-[4-[3-[4-(cyclopentyloxy)phenyl]-2,3-dihydro-2-oxo-1H-imidazol-1-yl]phenoxy]ethyl]-N,N-dimethyl-, (2S)- (CA INDEX NAME)

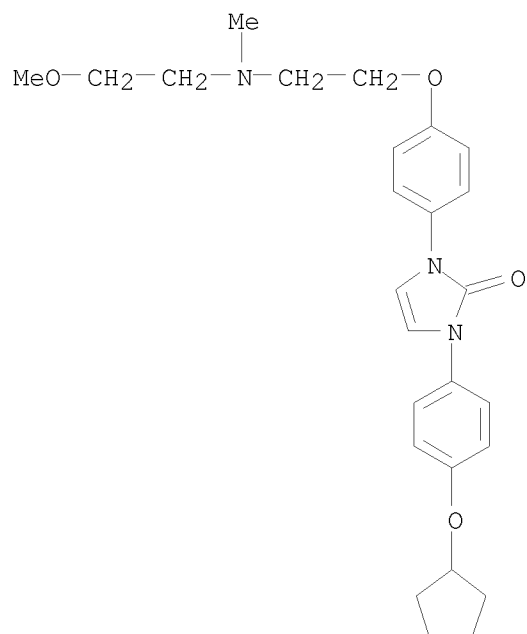
Absolute stereochemistry.



RN 654020-46-9 HCAPLUS
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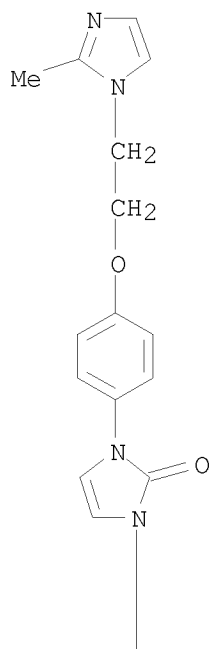
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RN 654020-51-6 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]- (CA INDEX NAME)

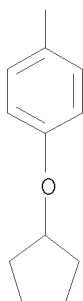
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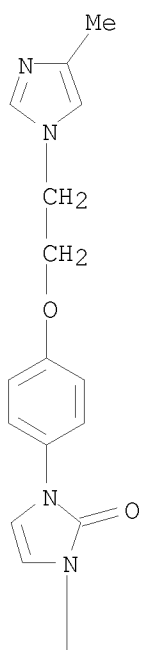
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RN 654020-56-1 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(4-methyl-1H-imidazol-1-yl)ethoxy]phenyl]- (CA INDEX NAME)

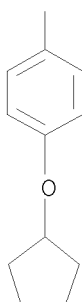
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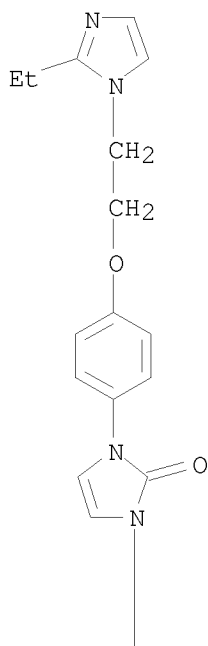
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RN 654020-60-7 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-3-[4-[2-(2-ethyl-1H-imidazol-1-yl)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

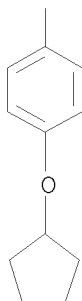
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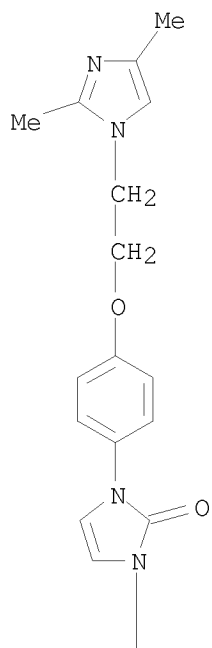
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RN 654020-66-3 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-3-[4-[2-(2,4-dimethyl-1H-imidazol-1-yl)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

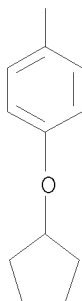
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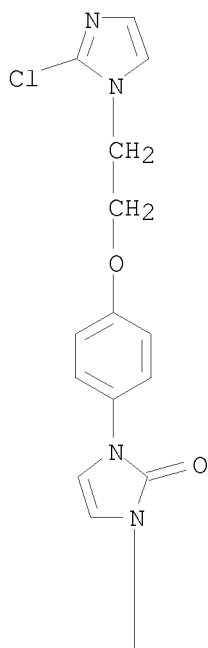
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RN 654020-71-0 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-[2-(2-chloro-1H-imidazol-1-yl)ethoxy]phenyl]-3-[4-(cyclopentyloxy)phenyl]-1,3-dihydro- (CA INDEX NAME)

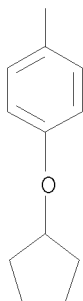
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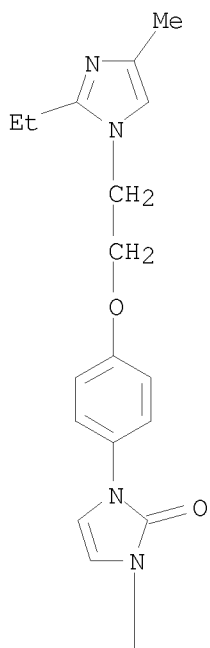
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RN 654020-75-4 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-3-[4-[2-(2-ethyl-4-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

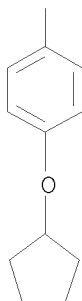
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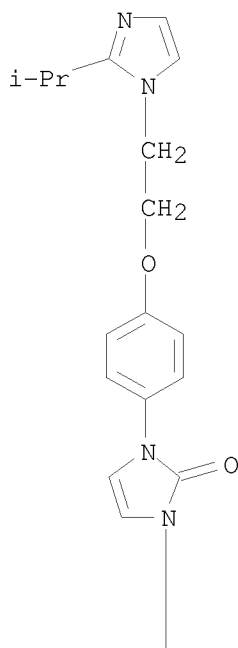
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RN 654020-80-1 HCAPLUS

CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-[2-(1-methylethyl)-1H-imidazol-1-yl]ethoxy]phenyl]- (CA INDEX NAME)

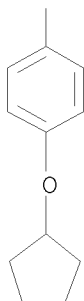
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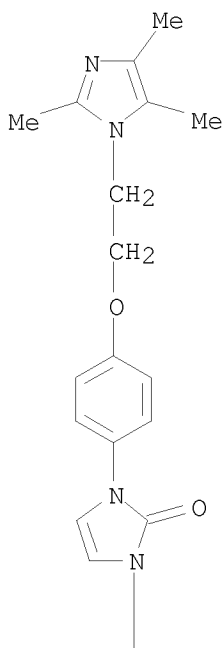
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RN 654020-86-7 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(2,4,5-trimethyl-1H-imidazol-1-yl)ethoxy]phenyl]- (CA INDEX NAME)

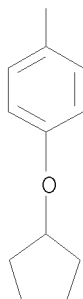
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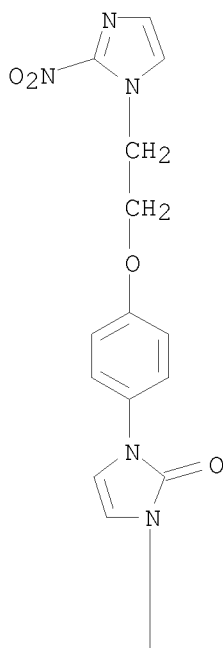
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RN 654020-92-5 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(2-nitro-1H-imidazol-1-yl)ethoxy]phenyl]- (CA INDEX NAME)

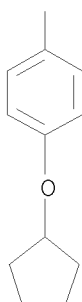
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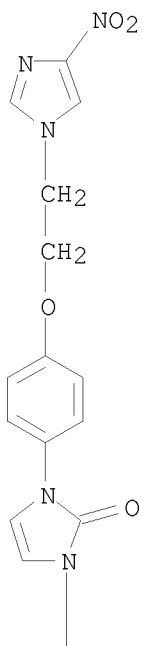
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RN 654020-99-2 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(4-nitro-1H-imidazol-1-yl)ethoxy]phenyl]- (CA INDEX NAME)

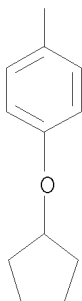
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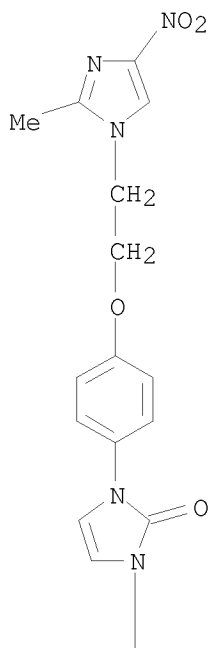
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RN 654021-04-2 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(2-methyl-4-nitro-1H-imidazol-1-yl)ethoxy]phenyl]- (CA INDEX NAME)

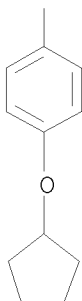
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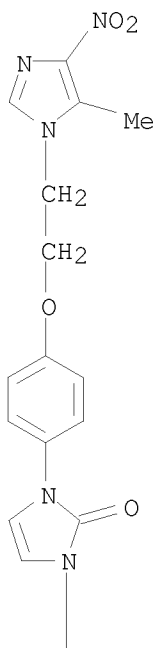
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RN 654021-10-0 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-1,3-dihydro-3-[4-[2-(5-methyl-4-nitro-1H-imidazol-1-yl)ethoxy]phenyl]- (CA INDEX NAME)

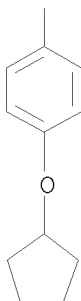
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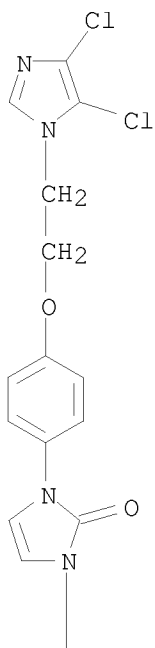
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RN 654021-16-6 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-3-[4-[2-(4,5-dichloro-1H-imidazol-1-yl)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

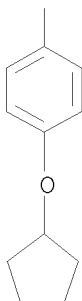
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Updated Search

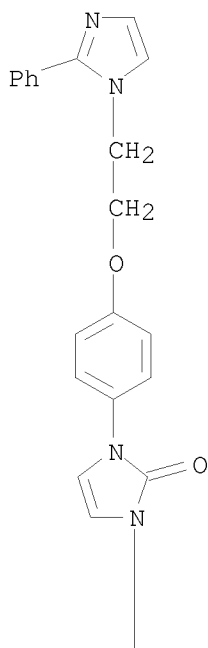
10501317

PAGE 2-A



RN 654021-22-4 HCAPLUS
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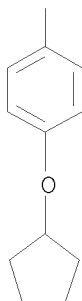
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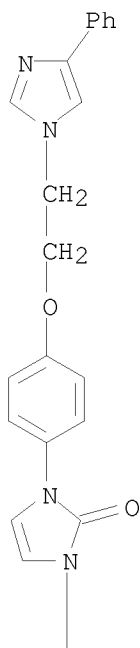
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PAGE 2-A



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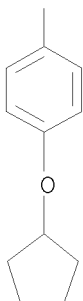
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Updated Search

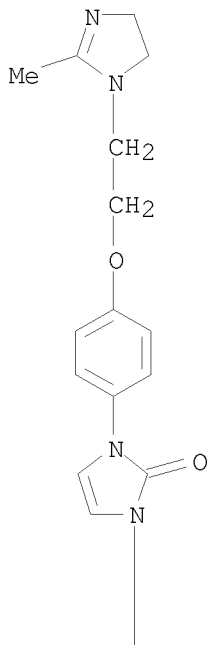
10501317

PAGE 2-A



RN 654021-32-6 HCAPLUS
CN 2H-Imidazol-2-one, 1-[4-(cyclopentyloxy)phenyl]-3-[4-[2-(4,5-dihydro-2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-1,3-dihydro- (CA INDEX NAME)

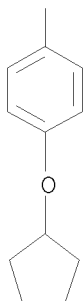
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Updated Search

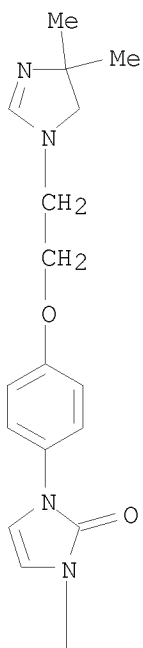
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PAGE 2-A

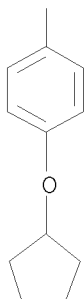


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PAGE 1-A



Updated Search



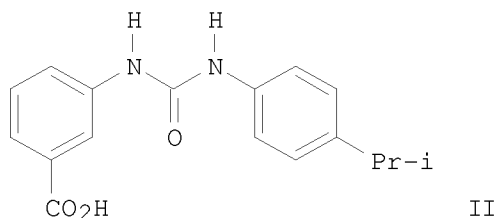
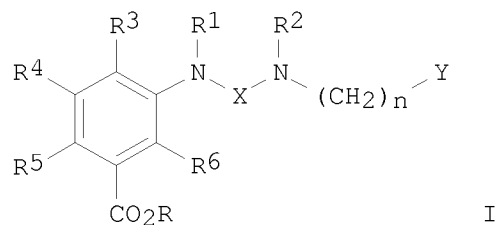
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:80660 HCAPLUS
 DOCUMENT NUMBER: 140:146137
 TITLE: Preparation of (phenylureido)benzoic acid compounds for use in suppression of nonsense mRNA mutations and the treatment of genetic disease
 INVENTOR(S): Wilde, Richard G.; Takasugi, James J.; Hwang, Seongwoo; Welch, Ellen M.; Chen, Guangming
 PATENT ASSIGNEE(S): PTC Therapeutics, Inc., USA
 SOURCE: PCT Int. Appl., 134 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|------------|
| WO 2004009558 | A2 | 20040129 | WO 2003-US23182 | 20030723 |
| WO 2004009558 | A3 | 20040415 | | |
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| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2493458 | A1 | 20040129 | CA 2003-2493458 | 20030723 |
| AU 2003256755 | A1 | 20040209 | AU 2003-256755 | 20030723 |
| EP 1542667 | A2 | 20050622 | EP 2003-766012 | 20030723 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| US 20060167065 | A1 | 20060727 | US 2005-48656 | 20050121 |
| US 7405233 | B2 | 20080729 | | |
| PRIORITY APPLN. INFO.: | | | US 2002-398333P | P 20020724 |
| | | | WO 2003-US23182 | W 20030723 |

10501317

OTHER SOURCE(S): MARPAT 140:146137
GI



AB Title compds., including (oxoimidazolidinyl)benzoic acid derivs., I [wherein R = H or (un)substituted (cyclo)alkyl, heterocyclyl, (hetero)aryl, (hetero)arylalkyl, cycloalkylalkyl, heterocycloalkyl; R1, R2 = independently H or (un)substituted alkyl, alkenyl, alkyloxyalkyl, amide, sulfonyl, or together form 5-7 membered (un)substituted heterocyclic ring or heteroaryl ring, etc.; R3-R6 = independently H, halogen, (un)substituted heterocyclo, heteroarylalkyl, haloalkoxy, etc.; X = CO, CS, S, SO, SO2; Y = (un)substituted (cyclo)alkyl, (hetero)aryl, heterocyclo; n = 1-4; and salts, hydrates, solvates, clathrate or stereoisomer thereof] were prepared as anticancer agents for treatment of genetic diseases (no data). For example, reaction of 3-aminobenzoic acid with 4-isopropylphenyl isocyanate gave II in 85% yield, which was formulated in the aerosol dosage form. Thus, I and their pharmaceutical compds. are useful for nonsense suppression and the treatment of genetic diseases as anticancer agents (no data).

IT 651749-02-9P 651749-18-7P 651749-19-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

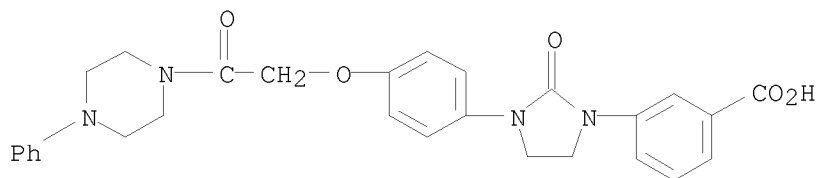
(preparation of (phenylureido)benzoic acid compds. for use in suppression of nonsense mRNA mutations and the treatment of genetic disease)

RN 651749-02-9 HCAPLUS

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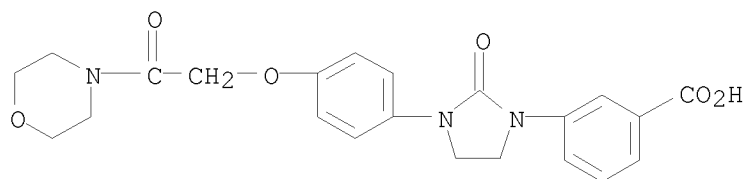
Updated Search

10501317



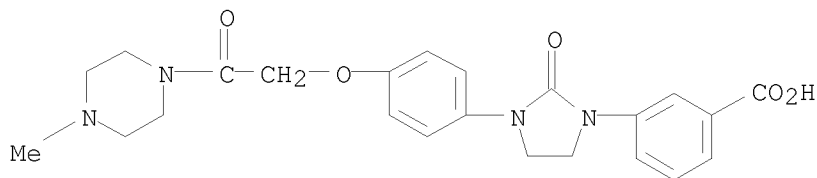
RN 651749-18-7 HCAPLUS

CN Benzoic acid, 3-[3-[4-[2-(4-morpholinyl)-2-oxoethoxy]phenyl]-2-oxo-1-imidazolidinyl]- (CA INDEX NAME)



RN 651749-19-8 HCAPLUS

CN Benzoic acid, 3-[3-[4-[2-(4-methyl-1-piperazinyl)-2-oxoethoxy]phenyl]-2-oxo-1-imidazolidinyl]- (CA INDEX NAME)



=> file caold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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233.46

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-6.40

-6.40

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are

Updated Search

10501317

now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAOLD will be discontinued and removed from associated database clusters.

- . November 22, 2008 - removed from database clusters
- . December 31, 2008 - removed from STN

Content previously available only in CAOLD is now available in CA/Caplus. To learn more about the options available for transferring saved search queries and answer sets to CA/Caplus, contact your STN Service Center.

=> d his

(FILE 'HOME' ENTERED AT 17:44:07 ON 10 OCT 2008)

FILE 'REGISTRY' ENTERED AT 17:44:16 ON 10 OCT 2008

L1 STRUCTURE UPLOADED

L2 14 S L1

L3 247 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:49:04 ON 10 OCT 2008

L4 8 S L3

L5 2 S L4 AND BROMIDGE, S?/AU

L6 6 S L4 NOT L5

L7 0 S L6 AND LOVELL, P?/AU

L8 0 S L6 AND GOODACRE, C?/AU

FILE 'CAOLD' ENTERED AT 17:50:46 ON 10 OCT 2008

=> s l3

L9 0 L3

=> file reg

COST IN U.S. DOLLARS

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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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CA SUBSCRIBER PRICE

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 OCT 2008 HIGHEST RN 1059172-07-4
DICTIONARY FILE UPDATES: 9 OCT 2008 HIGHEST RN 1059172-07-4

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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Uploading C:\Documents and Settings\brobinson1\My Documents\e-Red Folder\10524345\317a.str

L10 STRUCTURE UPLOADED

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82.2% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 45721 TO 51639
PROJECTED ANSWERS: 0 TO 0

L11 0 SEA SSS SAM L10

=> s l10 full

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DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
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SEARCH TIME: 00.00.02

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(FILE 'HOME' ENTERED AT 17:44:07 ON 10 OCT 2008)

Updated Search

10501317

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L1 STRUCTURE UPLOADED

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L3 247 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:49:04 ON 10 OCT 2008

L4 8 S L3

L5 2 S L4 AND BROMIDGE, S?/AU

L6 6 S L4 NOT L5

L7 0 S L6 AND LOVELL, P?/AU

L8 0 S L6 AND GOODACRE, C?/AU

FILE 'CAOLD' ENTERED AT 17:50:46 ON 10 OCT 2008

L9 0 S L3

FILE 'REGISTRY' ENTERED AT 17:50:57 ON 10 OCT 2008

L10 STRUCTURE UPLOADED

L11 0 S L10

L12 1 S L10 FULL

=> s l12 not l3

L13 1 L12 NOT L3

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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413.66

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-6.40

FILE 'HCAPLUS' ENTERED AT 17:53:09 ON 10 OCT 2008

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FILE COVERS 1907 - 10 Oct 2008 VOL 149 ISS 16

FILE LAST UPDATED: 9 Oct 2008 (20081009/ED)

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

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Updated Search

10501317

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l13

L14 2 L13

=> s l14 and bromidge, s?/au

82 BROMIDGE, S?/AU

L15 2 L14 AND BROMIDGE, S?/AU

=> d l15, ibib abs hitstr, 1-2

L15 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1084921 HCAPLUS

DOCUMENT NUMBER: 143:432011

TITLE: A series of bisaryl imidazolidin-2-ones has shown to be selective and orally active 5-HT_{2C} receptor antagonists

AUTHOR(S): Goodacre, Caroline J.; Bromidge, Steven M.; Clapham, David; King, Frank D.; Lovell, Peter J.; Allen, Mike; Campbell, Lorraine P.; Holland, Vicky; Riley, Graham J.; Starr, Kathryn R.; Trail, Brenda K.; Wood, Martyn D.

CORPORATE SOURCE: Psychiatry Centre of Excellence in Drug Discovery, GlaxoSmithkline Pharmaceuticals, Essex, CM19 5AW, UK

SOURCE: Bioorganic & Medicinal Chemistry Letters (2005), 15(22), 4989-4993

CODEN: BMCLE8; ISSN: 0960-894X

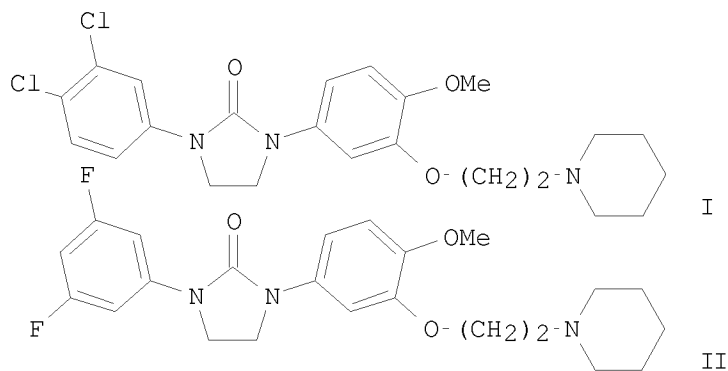
PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 143:432011

GI



AB Bisaryl cyclic ureas have been identified as high affinity 5-HT_{2C} receptor antagonists with selectivity over 5-HT_{2A} and 5-HT_{2B}. Compds. such as (I) and (II) have shown oral activity in a centrally mediated pharmacodynamic model of 5-HT_{2C} function in rodents.

IT 561277-48-3P

Updated Search

10501317

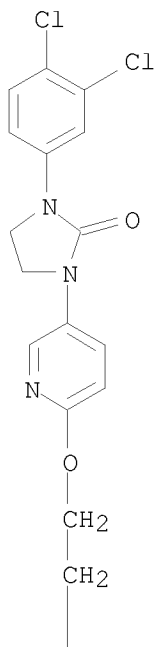
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(series of bisaryl imidazolidin-2-ones has shown to be selective and orally active 5-HT_{2C} receptor antagonists)

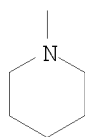
RN 561277-48-3 HCAPLUS

CN 2-Imidazolidinone, 1-(3,4-dichlorophenyl)-3-[6-[2-(1-piperidinyl)ethoxy]-3-pyridinyl]- (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:551382 HCAPLUS

DOCUMENT NUMBER: 139:117423

TITLE: Preparation of cyclic urea derivatives with 5-HT_{2C} receptor activity

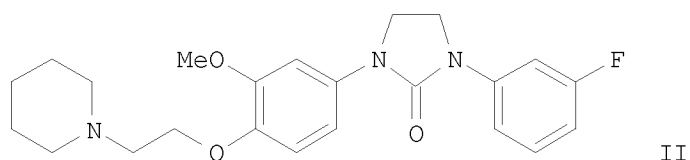
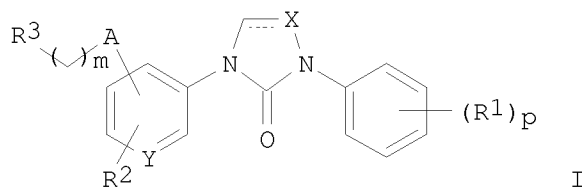
INVENTOR(S): Bromidge, Steven Mark; Lovell, Peter John;

Updated Search

10501317

PATENT ASSIGNEE(S): Goodacre, Caroline
SOURCE: Glaxo Group Limited, UK
PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|------------|
| WO 2003057220 | A1 | 20030717 | WO 2003-GB20 | 20030107 |
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| AU 2003201636 | A1 | 20030724 | AU 2003-201636 | 20030107 |
| EP 1465630 | A1 | 20041013 | EP 2003-700335 | 20030107 |
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| JP 2005524620 | T | 20050818 | JP 2003-557578 | 20030107 |
| US 20050154028 | A1 | 20050714 | US 2005-501317 | 20050222 |
| PRIORITY APPLN. INFO.: | | | GB 2002-283 | A 20020108 |
| | | | WO 2003-GB20 | W 20030107 |
| OTHER SOURCE(S): | MARPAT 139:117423 | | | |
| GI | | | | |



AB Title compds. I [p = 0-5; m = 1-3; Y = N, C; A = O, N, CONH, NHCO, etc.;
R1 = halo, alkyl, alkoxy, alkylthio, etc.; R2 = H, halo, alkyl, alkoxy,

Updated Search

10501317

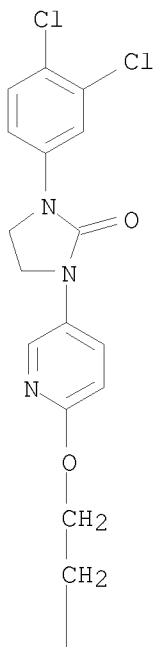
haloalkyl, haloalkoxy; R3 = amino; X = CH2, CO] are prepared For instance, 2-(3-fluorophenylamino)ethanol (preparation given) is reacted with MsCl/CH2Cl2 followed by 3-benzyloxy-4-methoxyphenylamine to give the corresponding substituted diamine. This intermediate is treated with phosgene to give 1-(3-benzyloxy-4-methoxyphenyl)-3-(3-fluorophenyl)imidazolidin-2-one. Substitution of this using 1-(2-chloroethyl)piperidine•HCl (MeOCH2CH2OMe, K2CO3, reflux, 5 h) afforded II. I exhibit 5-HT2c receptor activity and are useful for the treatment of CNS disorders such as depression or anxiety.

IT 561277-48-3P, 1-(3,4-Dichlorophenyl)-3-[6-(2-(piperidinyl)ethoxy)pyridin-3-yl]imidazolidin-2-one
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of cyclic urea derivs. with 5-HT2C receptor activity)

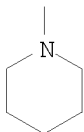
RN 561277-48-3 HCAPLUS

CN 2-Imidazolidinone, 1-(3,4-dichlorophenyl)-3-[6-[2-(1-piperidinyl)ethoxy]-3-pyridinyl]- (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



10501317

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caold

| | | |
|--------------------------------------------|------------|---------|
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| | ENTRY | SESSION |
| FULL ESTIMATED COST | 13.59 | 427.25 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | -1.60 | -8.00 |

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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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assignees, and patent information, e.g., patent numbers, are
now searchable from 1907-1966. TIFF images of CA abstracts
printed between 1907-1966 are available in the PAGE
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This file supports REGISTRY for direct browsing and searching of
all substance data from the REGISTRY file. Enter HELP FIRST for
more information.

CAOLD will be discontinued and removed from associated database
clusters.

- . November 22, 2008 - removed from database clusters
- . December 31, 2008 - removed from STN

Content previously available only in CAOLD is now available
in CA/CAPLUS. To learn more about the options available for
transferring saved search queries and answer sets to CA/CAPLUS,
contact your STN Service Center.

=> file hcaplus

| | | |
|--------------------------------------------|------------|---------|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.46 | 427.71 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -8.00 |

FILE 'HCAPLUS' ENTERED AT 17:53:31 ON 10 OCT 2008
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Updated Search

10501317

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FILE COVERS 1907 - 10 Oct 2008 VOL 149 ISS 16
FILE LAST UPDATED: 9 Oct 2008 (20081009/ED)

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 17:44:07 ON 10 OCT 2008)

FILE 'REGISTRY' ENTERED AT 17:44:16 ON 10 OCT 2008

L1 STRUCTURE UPLOADED
L2 14 S L1
L3 247 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:49:04 ON 10 OCT 2008

L4 8 S L3
L5 2 S L4 AND BROMIDGE, S?/AU
L6 6 S L4 NOT L5
L7 0 S L6 AND LOVELL, P?/AU
L8 0 S L6 AND GOODACRE, C?/AU

FILE 'CAOLD' ENTERED AT 17:50:46 ON 10 OCT 2008

L9 0 S L3

FILE 'REGISTRY' ENTERED AT 17:50:57 ON 10 OCT 2008

L10 STRUCTURE UPLOADED
L11 0 S L10
L12 1 S L10 FULL
L13 1 S L12 NOT L3

FILE 'HCAPLUS' ENTERED AT 17:53:09 ON 10 OCT 2008

L14 2 S L13
L15 2 S L14 AND BROMIDGE, S?/AU

FILE 'CAOLD' ENTERED AT 17:53:25 ON 10 OCT 2008

Updated Search

10501317

FILE 'HCAPLUS' ENTERED AT 17:53:31 ON 10 OCT 2008

=> s l13/uses

2 L13
7232791 USES/RL
L16 2 L13/USES
(L13 (L) USES/RL)

=> file hcaplus

| | | |
|--------------------------------------------|------------|---------|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 2.69 | 430.40 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -8.00 |

FILE 'HCAPLUS' ENTERED AT 17:53:43 ON 10 OCT 2008

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FILE COVERS 1907 - 10 Oct 2008 VOL 149 ISS 16

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HCAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> file reg

| | | |
|--------------------------------------------|------------|---------|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 2.69 | 433.09 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -8.00 |

FILE 'REGISTRY' ENTERED AT 17:53:47 ON 10 OCT 2008

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Updated Search

10501317

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 OCT 2008 HIGHEST RN 1059172-07-4
DICTIONARY FILE UPDATES: 9 OCT 2008 HIGHEST RN 1059172-07-4

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d his

(FILE 'HOME' ENTERED AT 17:44:07 ON 10 OCT 2008)

FILE 'REGISTRY' ENTERED AT 17:44:16 ON 10 OCT 2008

L1 STRUCTURE UPLOADED
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L3 247 S L1 FULL

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FILE 'HCAPLUS' ENTERED AT 17:53:31 ON 10 OCT 2008

L16 2 S L13/USES

Updated Search

10501317

FILE 'HCAPLUS' ENTERED AT 17:53:43 ON 10 OCT 2008

FILE 'REGISTRY' ENTERED AT 17:53:47 ON 10 OCT 2008

=>

Uploading C:\Documents and Settings\brobinson1\My Documents\e-Red
Folder\10524345\317b.str

L17 STRUCTURE UPLOADED

=> s 117

SAMPLE SEARCH INITIATED 17:56:14 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2434 TO ITERATE

82.2% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 45721 TO 51639
PROJECTED ANSWERS: 0 TO 0

L18 0 SEA SSS SAM L17

=> s 117 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 17:56:19 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 48879 TO ITERATE

100.0% PROCESSED 48879 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.02

L19 0 SEA SSS FUL L17

Updated Search